THE WOOL BOOK

--1892--

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THE WOOL BOOK

A Statistical Manual

CONTAINING

The Latest Official Information of the Production, Movement, and Consumption of Wool in all Countries, Wool and Woolens Tariff of 1890, Manufacturing Tables, etc., etc.

ERRATA.

Table 1, page 15.— Estimate of pounds of wool grown in 1891 should read 307,401,507.

Table 23, page 37 — The value of clothing imported in 1891 should read $2,107,232, and the duties collected $1,524,947.

Table 25, page 37. — Previous to 1891 all flannels were reported together; in 1891, flannels for underwear only are here reported, all others are included with Dress Goods, table 26, page 38.

Table 28, page 39. — Under rulings of the Board of General Appraisers, a portion of the Knit Goods imported are reported under the head of Clothing, table 23, page 37.

Table 29, page 39. — Rags, Shoddy, etc., imported in 1890, should read — quantity, 4,985,266 pounds; value $2,037,731; duties collected, $498,527. Table 29 includes not only rags and shoddy, but noils and all descriptions of wool wastes.

Table 33, page 40.— To this table should be added in 1891, Plushes and Pile Fabrics, 204,333 pounds; value, $171,890; duty, $204,378.

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The Latest Official Information of the Production, Movement, and Consumption of Wool in all Countries, Wool and Woolens Tariff of 1890, Manufacturing Tables, etc., etc.

FOR MANUFACTURERS, DEALERS, GROWERS, IMPORTERS, SUPERINTENDENTS, AGENTS, COMMISSION MERCHANTS, ETC.

COMPILED FOR THE

NATIONAL ASSOCIATION OF WOOL MANUFACTURERS

BY

S. N. D. NORTH
Secretary

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THE ROCKWELL AND CHURCHILL PRESS
1892

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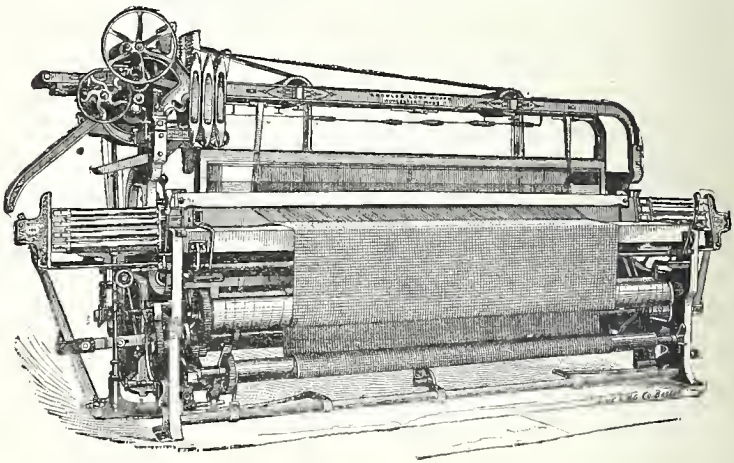

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PREFACE.

THE National Association of Wool Manufacturers has been led to the publication of this volume by the great need, long felt, for a manual of authentic wool statistics, similar to "Cotton Facts," annually published for fifteen years by Mr. A. B. Shepperson, of New York. It has seemed to the management of the Association that in no other way can it better serve the interests of the industry, than by authorizing this publication, with an assurance of its accuracy. More and more, as time passes, the great industries are conducted on the basis of accurate statistical information of the production, movement, and consumption of raw material and product; and the wool trade and manufacture are greatly handicapped in the United States by the lack of a standard compendium of the data relating to wool.

The great bulk of the information contained in this volume is almost daily required in some branch of the wool business, and has hitherto been accessible only in trade circulars, or widely scattered through official documents hard to obtain.

The aim has been to make a book easily carried in the pocket, and yet containing every item of statistical information ordinarily required in the course of his business by the wool manufacturer, the wool grower, the wool buyer, the wool importer or broker, the commission merchant, the mill agent, superintendent or overseer, the manufacturer or dealer in mill supplies, the statistician, and the public man.

Its contents include all available data regarding the wool clip of every country, the consumption of all manufacturing nations, the prices of wools for a long series of years, the export and import trade of the wool manufacturing nations, and especially the imports of wool and woolens into the United States. To these

are added shrinkage tables, and the yarn tables and other computations ordinarily used in textile mills; all the Census statistics of the wool manufacture for 1890; and official data regarding the machinery capacity of other nations. Finally, the wool and woolen schedule of the tariff act of 1890 is added in a convenient form for reference.

No such mass of statistical information regarding wool and its handling has ever before been published in so convenient a form in this or any other country.

Great pains have been taken to secure absolutely authentic data. Official figures are given wherever possible, and in all cases the source of information is stated. In some cases the figures of different authorities are at variance; in such cases, both authorities are stated.

We are under obligations for advice and assistance in the preparation of this Handbook to Hon. S. G. Brock, Chief of the Bureau of Statistics, Hon. J. R. Dodge, Statistician of the Department of Agriculture, Hon. John A. Tibbits, U. S. Consul at Bradford, England, Mr. George William Bond, Mr. William G. Benedict, of Denny, Rice & Co., Mr. Edward N. Fenno, of Fenno Bros. & Childs, Mr. Charles F. Avery, of Mauger & Avery, The McNaughton Co., Mr. A. B. Shepperson, of "Cotton Facts," Mr. W. A. Blanchard, of Boston, Mr. Albert Chapman, of Middlebury, Vt., Mr. Curtis Guild, Jr., editor of the Boston "Commercial Bulletin," Mr. Henry G. Kittredge, editor of the "Boston Journal of Commerce," Mr. Edward D. Page, of Faulkner, Page & Co., Mr. E. B. Biggar, of the "Canadian Journal of Fabrics," and many others, without whose kindly interest and assistance the Association could not have presented a book so free from errors and so generally trustworthy.

We have drawn very freely from the wool circulars of Helmuth Schwartze & Co., Windeler & Co., Dalgety & Co., and the "Bradford Observer," and our obligations to all these houses are publicly acknowledged.

GLOSSARY OF TRADE TERMS.

BY CHARLES F. AVERY.

Wools grown in the United States (except in a few of the older Middle States) are generally shorn without washing, and the product of each sheed (called the *clip*) is tied into a bundle and termed the *fleece*.

The terms used in the wool trade to designate domestic wools refer to condition, or degree of cleanness; quality, or degree of fineness; and staple, or length and strength of fibre.

American wools are usually collected from the growers as produced.

Condition.

Washing. — Sheep are driven into watercourses and a portion of the *yolk* (natural secretion through the skin, held in suspension in the wool) and dirt washed out before shearing.

Unmerchantable Wool. — Wool poorly washed is known as unmerchantable.

Unwashed Wool. — Wool on which no attempt at washing has been made is called unwashed.

The condition of washed wools is growing poorer; fifteen years ago fine wools lost in scouring 48 per cent. and sometimes less; the average present loss in Ohio and Michigan wools is nearer 55 per cent.

Scouring. — Wool washed perfectly clean by mechanical and chemical processes in machines prepared for that purpose is known as scoured wool.

Quality.

The qualities are Picklock, XXX, XX, X, No. 1 (or half-blood), No. 2 (or three-eighths), No. 3, or quarter-blood, and coarse or common. These qualities are liable to variation in many wool-houses, according to the varying demand.

Picklock (now very scarce) is the quality produced from a pure Saxony sheep.

XXX. — The first cross of the merino with the Saxony.

XX. — The true standard is the quality of a full-blood merino.

X. — Is three-quarter blood merino.

No. 1, No. 2, etc., indicate the variations in purity of blood from the pure merino, from crossing with common sheep.

Coarse Wool. — The product of sheep with but little trace of merino blood.

Braid Wool. — The clip of bright-haired (lustrous) wooled sheep, almost pure, as Lincoln, Cotswold, and Leicester.

Staple.

Wools are classified according to staple into clothing wools, combing wools, and delaine wools.

Clothing Wools. — Wools to be carded.

Combing Wools. — Wools to be combed so as to leave the fibres parallel.

Delaine Wools. — Practically combing wools of merino blood, and may be called fine (X and above), or medium (half-blood).

Felting Wools. — The semi-annual clips of portions of Texas and California are sometimes so designated.

Noils. — The refuse, short-stapled wool resulting from combing.

Grading is the arranging into qualities without untying the fleeces.

Sorting is done by the manufacturer, who separates the fleece into different qualities or sorts according to fineness, length and strength of staple, whiteness, etc., and is the first process of manufacturing.

Neck, breech, belly, etc., indicate the location where grown on the body of the sheep, but the nomenclature of sorts varies in different mills.

Skirting. — The separation of the inferior portions from the fleece.

Tags. — A sort of short dung locks.

Pulled Wool. — Wool from slaughtered sheep. It is rubbed off after soaking the skin. Pulled wools are classified according to quality and length of staple. For quality the terms are XX, Extra, A Super, B Super, C Super, etc.; for length, Combing and Delaine.

Lambs' Wools are pulled from lamb skins, and are sometimes subdivided into qualities by the large pullers.

Shearlings. — The short wool obtained from skins of sheep shorn before slaughtering. Used principally by hatters.

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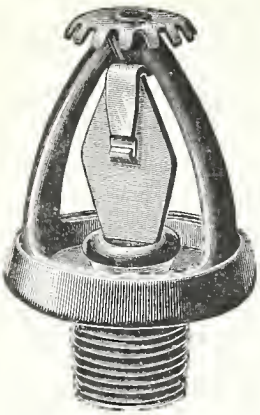

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THE WOOL BOOK.

Copies of this Publication may be obtained of the undersigned. Price, 75 cents, postage paid. Additional copies at reduced prices.

S. N. D. NORTH, Sec'y,
70 Kilby St., Boston.

THE UNITED STATES.

No. 1. Number, Average Price and Value of Sheep on Farms in the United States.

From the Annual Reports of the Commissioner of Agriculture.				Pounds of Wool Grown.	
				Dept. of Agriculture.	1867 to 1885 estimated by James Lynch, New York; 1886 to 1891, by J. P. Truitt, Phila.
Date of Report.	Number.	Ave'age price.	Value.	Pounds.	Pounds.
1810	10,000,000	. . . .	. . . . .	13,000,000	
1820	. . . . .	. . . .	. . . . .	14,100,000	
1830	. . . . .	. . . .	. . . . .	17,829,000	
1840	19,311,000	. . . .	. . . . .	35,802,114	
1850	21,723,000	. . . .	. . . . .	52,516,969	
1860	22,471,275	. . . .	. . . . .	60,264,913	
1867	39,385,386	3.37	$132,774,660	160,000,000	160,000,000
1868	38,991,912	2.52	98,407,809	168,000,000	177,000,000
1869	37,724,279	2.17	82,139,979	180,000,000	162,250,000
1870	40,853,000	2.28	93,364,433	162,000,000	163, 00,000
1871	31,851,000	2.32	74,035,837	160,000,000	146,000,000
1872	31,679,300	2.80	88,771,197	150,000,000	160,000,000
1873	33,002,400	2.96	97,922,350	158,000,000	174,700,000
1874	33,938,200	2.61	88,630,569	170,000,000	178,000,000
1875	33,783,600	2.79	94,320,652	181,000,000	193,000,000
1876	35,935,300	2.60	93,666,318	192,000,000	198,250,000
1877	35,804,200	2.27	80,892,683	200,000,000	208,250,000
1878	35,740,500	2.25	80,603,062	208,250,000	211,000,000
1879	38,123,800	2.07	79,023,984	211,000,000	232,500,000
1880	40,765,900	2.21	90,230,537	232,500,000	264,000,000
1881	43,576,899	2.39	104,070,759	240,000,000	290,000,000
1882	45,016,224	2.37	106,595,954	272,000,000	300,000,000
1883	49,237,291	2.53	124,365,835	290,000,000	320,400,000
1884	50,626,626	2.37	119,902,706	300,000,000	337,500,000
1885	50,360,243	2.14	107,960,650	308,000,000	329,600,000
1886	48,322,331	1.91	92,443,867	302,000,000	323,031,026
1887	44,759,314	2 01	89,872,839	285,000,000	302,169,950
1888	43,544,755	2.05	89,279,926	269,000,000	301,876,121
1889	42,599,079	2.13	90,640,369	265,000,000	295,779,479
1890	44,336,072	2.27	100,659,761	276,000,000	309,474,856
1891	43,431,136	2.51	108,397,447	285,000,000	307,101,507
1892	44,938,365	2.58	116 121,270		

The figures previous to 1867 are from the United States Census Reports.

No. 2. Average Weight of Fleeces as Estimated by United States Department of Agriculture.

In 1840 the average weight of the fleece was barely 1.9 pounds; in 1850 it was 2.4 pounds; 1860, 2.7 pounds; 1870, 3.5 pounds; 1880, 4.8 pounds; 1887, 5.1 pounds; 1891, 5.5 pounds.

No. 3.—Number of Sheep in the United States, 1840 to 1891.

(Expressed in thousands.)

States and Territories.	1840.	1850.	1860.	1870.	1875.	1880.	1885.	1890.	1891.
Maine	649	452	453	435	492	596	548	542	548
N. Hampshire	617	385	311	249	242	242	201	193	183
Vermont	1,682	1,014	752	580	516	499	386	362	352
Massachusetts	378	189	115	79	76	63	68	57	56
Rhode Island	90	44	33	24	25	28	21	20	20
Connecticut	404	174	117	84	88	97	59	47	46
Total N.E. Sts.	3,820	2,258	1,781	1,451	1,439	1,525	1,283	1,221	1,205
New York	5,119	3,453	2,618	2,182	1,996	2,206	1,698	1,549	1,394
New Jersey	219	160	135	120	127	127	119	103	100
Pennsylvania	1,768	1,823	1,632	1,794	1,674	1,649	1,487	945	1,040
Delaware	39	28	19	23	23	39	23	22	23
Maryland	258	178	156	130	139	153	172	154	158
Total Mid. Sts.	7,403	5,642	4,560	4,249	3,959	4,174	3,499	2,773	2,715
Virginia	1,294	1,310	1,043	370	368	426	477	445	445
North Carolina	538	595	547	463	276	425	488	415	398
South Carolina	233	286	234	125	147	177	118	102	99
Georgia	267	560	513	419	375	374	532	412	383
Florida	7	23	30	27	32	60	98	110	112
Alabama	163	372	370	242	182	214	344	286	275
Mississippi	129	305	353	233	147	200	282	240	235
Louisiana	98	110	181	119	63	135	121	115	114
Texas	. . .	101	753	714	1,446	5,148	7,558	4,753	4,990
Arkansas	42	91	203	161	183	294	225	270	270
Tennessee	742	812	773	827	326	859	636	511	512
West Virginia	. . .	. . .	. . .	552	539	600	638	509	519
Kentucky	1,008	1,102	939	937	760	1,010	951	806	766
Tot'l South. Sts.	4,521	5,667	5,939	5,189	4,844	9,922	12,468	8,974	9,118
Ohio	2,029	3,943	3,547	4,929	4,593	4,080	4,900	3,944	4,062
Michigan	100	746	1,272	1,986	3,416	1,856	2,364	2,241	2,263
Indiana	676	1,123	991	1,613	1,300	1,019	1,122	1,278	1,150
Illinois	396	894	769	1,568	1,380	1,111	1,093	688	772
Wisconsin	3	125	333	1,069	1,211	1,316	1,283	809	890
Minnesota	. . .	. . .	13	132	176	308	273	327	332
Iowa	15	150	259	855	1,698	454	472	476	452
Missouri	348	762	937	1,352	1,366	1,523	1,339	1,198	899
Kansas	. . .	. . .	17	109	118	372	838	438	447
Nebraska	. . .	. . .	2	23	43	173	374	239	235
Colorado	. . .	. . .	. . .	121	. . .	. . .	1,186	1,784	1,820
Total West. Sts.	3,567	7,743	8,140	13,757	15,301	12,212	15,244	13,422	13,322
California	. . .	18	1,088	2,768	4,683	7,647	5,893	4,035	3,712
Nevada	. . .	. . .	. . .	11	19	. . .	424	701	505
Oregon	. . .	15	86	318	634	1,265	2,520	2,930	2,432
Washington	. . .	. . .	10	44	. . .	. . .	534	673	674
Tot'l Pac. Coast	. . .	33	1,184	3,141	5,336	8,912	9,371	8,339	7,323
Dakota	. . .	. . .	. . .	2	. . .	. . .	184	266	275
Idaho	. . .	. . .	. . .	1	. . .	. . .	191	487	502
Montana	. . .	. . .	. . .	2	. . .	. . .	625	1,990	2,067
New Mexico	. . .	377	830	619	. . .	. . .	5,411	3,093	3,134
Arizona	. . .	. . .	. . .	1	. . .	. . .	853	698	594
Utah	. . .	3	37	60	. . .	. . .	621	2,056	2,056
Wyoming	. . .	. . .	. . .	6	. . .	. . .	610	1,017	1,119
Total, all others	. . .	380	867	691	2,904	14,020	8,495	9,607	9,747
Total U. S.	19,311	21,723	22,471	28,478	33,783	40,765	50,360	44,336	43,430

[1] Includes Nevada and Colorado.

NOTE. — The figures from 1840 to 1870, inclusive, are taken from the reports of the United States Census. Those from 1875 to 1891 are from the official reports of the Department of Agriculture.

No. 4.—Sheep in Each State, Jan. 1, 1892, No., Price, and Value.
Department of Agriculture.

	Number.	Average Price.	Value.
Maine	569,577	$3 01	$1,717,274
New Hampshire	188,678	2 87	540,751
Vermont	358,274	3 29	1,179,725
Massachusetts	57,644	3 89	223,947
Rhode Island	20,433	4 35	88,884
Connecticut	47,199	4 08	192,454
Total New England States	1,241,805	$3 58	$3,943,035
New York	1,421,455	$3 80	$5,401,529
New Jersey	102,077	4 05	413,922
Pennsylvania	1,091,477	3 83	4,178,173
Delaware	22,967	3 87	88,768
Maryland	164,680	3 91	644,558
Total Middle States	2,802,656	$3 89	$10,726,950
Virginia	449,009	$3 05	$1,370,016
North Carolina	390,261	1 82	710,275
South Carolina	89,073	1 89	167,903
Georgia	383,017	1 76	673,956
Florida	117,028	2 06	241,499
Alabama	269,292	1 65	443,927
Mississippi	223,578	1 50	335,367
Louisiana	118,488	1 61	191,240
Texas	5,040,175	1 55	7,808,239
Arkansas	264,094	1 50	396,537
Tennessee	506,007	2 19	1,105,879
West Virginia	529,204	3 11	1,646,354
Kentucky	773,336	3 18	2,456,889
Total Southern States	9,152,562	$2 07	$17,548,081
Ohio	4,468,087	$3 30	$14,724,581
Michigan	2,353,779	3 21	7,560,338
Indiana	1,161,702	3 70	4,298,762
Illinois	848,092	3 57	3,025,314
Wisconsin	907,708	2 96	2,688,630
Minnesota	357,101	2 80	998,598
Iowa	565,031	3 42	1,933,084
Missouri	916,623	2 57	2,355,262
Kansas	469,433	2 34	1,096,595
Nebraska	269,804	2 56	690,887
Colorado	1,710,395	2 49	4,263,673
Total Western States	14,027,755	$2 99	$43,635,724
California	4,083,541	$2 42	$9,884,211
Nevada	504,710	2 49	1,256,223
Oregon	2,456,077	2 24	5,491,789
Washington	686,521	2 71	1,858,824
Total Pacific Coast	7,730,849	$2 47	$18,491,047
Dakota (North and South)	590,000	$3 15	$1,861,460
Idaho	527,077	2 40	1,264,985
Montana	2,089,337	2 50	5,228,566
New Mexico	2,967,480	1 54	4,556,566
Arizona	611,452	2 30	1,406,340
Utah	2,055,900	2 26	4,650,466
Wyoming	1,141,492	2 46	2,808,070
Total all others	9,982,738	$2 37	$21,776,453
Total United States	44,938,365	$2 58	$116,121,290

No. 5.—Number of Pounds of Wool grown in 1891.

ON THE BASIS OF J. P. TRUITT'S ESTIMATE.

STATES AND TERRITORIES.	Estimated average weight of Fleeces.	Number of Sheep as per Agricult'l Dept., 1891.	Washed and Unwashed.	Estimated average per cent. shrinkage in scouring.	Scoured Wool.
Maine	6	547,670	3,286,020	40	1,971,612
New Hampshire	6	183,183	1,099,098	60	439,639
Vermont	7	351,249	2,458,743	60	983,497
Massachusetts	6	55,965	335,790	50	167,895
Rhode Island	6	20,433	122,598	40	73,559
Connecticut	5	45,824	229,120	45	126,016
New York	6	1,393,583	8,361,498	50	4,180,749
New Jersey	5	100,075	500,375	50	250,187
Pennsylvania	6	1,039,502	6,237,012	55	2,806,655
Delaware	6	22,517	135,102	50	67,551
Maryland	4	156,838	627,352	50	313,676
Virginia	5	444,563	2,222,815	50	1,111,407
North Carolina	5	398,226	1,991,130	55	896,009
South Carolina	5	98,970	494,850	50	247,425
Georgia	4	383,017	1,532,068	42	888,599
Florida	5	111,455	557,275	45	306,501
Alabama	4	274,788	1,099,152	50	549,576
Mississippi	6	235,345	1,412,070	55	635,432
Louisiana	5	113,931	569,655	55	256,345
Texas	6	4,990,272	29,941,632	60	11,976,653
Arkansas	7	269,484	1,886,388	65	660,236
Tennessee	6	511,118	3,066,708	55	1,380,019
West Virginia	5	518,827	2,594,135	40	1,556,481
Kentucky	6	765,679	4,594,074	40	2,756,444
Ohio	5	4,061,897	20,309,485	50	10,154,742
Michigan	6½	2,263,249	14,711,118	58	6,178,670
Indiana	5½	1,150,200	6,326,100	45	3,479,355
Illinois	6	770,993	4,625,958	50	2,312,979
Wisconsin	6	889,910	5,339,460	60	2,135,784
Minnesota	6	330,649	1,983,894	65	694,363
Iowa	6	452,025	2,712,150	65	949,253
Missouri	6	898,650	5,391,900	60	2,695,950
Kansas	7	447,079	3,129,553	65	1,095,344
Nebraska	7	234,612	1,642,284	65	574,799
California	6½	3,712,310	24,130,015	66	8,204,205
Oregon	7	2,431,759	17,022,313	60	6,808,925
Nevada	7	504,710	3,532,970	65	1,236,540
Colorado	7	1,819,569	12,736,983	65	4,457,944
Arizona	8	593,643	4,749,144	70	1,424,743
Dakota	7	274,319	1,920,233	65	672,082
Idaho	7	501,978	3,513,846	65	1,229,846
Montana	7	2,067,337	14,471,359	65	5,064,976
New Mexico	4	3,133,663	12,534,652	40	7,520,791
Utah	7	2,055,900	14,391,300	55	6,476,085
Washington	6	673,060	4,038,360	60	1,615,344
Wyoming	7	1,119,110	7,833,770	65	2,741,820
		43 419,136	262,401,507		112,326,703
Pulled Wool, Dept. of Agric. Estimate	. . .	. . . . .	45,000,000	. . . .	27,000,000
			307,401,507		139,326,703

Average shrinkage, 54.87 per cent.

No. 6.—California Wool Products, 1891.

THOS. DENIGAN SON & Co.

Wool Receipts in 1891.

		Pounds.
Received in San Francisco from points in California,	71,604 bags.	24,845,976
Shipped East from interior points of California . .		4,067,500
Held at interior points of California		100,000
Total California Clip of 1891		29,013,976
Received in San Francisco from Nevada and Territories	5,380 "	1,500,000
Received in San Francisco from Oregon and Washington	13,426 "	4,296,320
Received in San Francisco from foreign (Australian) ports	5,847 bales.	1,403,280
	96,257	36,213,576
Stock on hand Jan. 1, 1891		7,397,000
		43,610,576

SHIPMENTS IN 1891.

From San Francisco by rail to East, grease and pulled		19,536,960	
From San Francisco by sea to East, grease and pulled		1,464,026	
From San Francisco by sea to East, scoured	37,840		
From San Francisco by rail to East, scoured	5,773,750		
Being product of grease wool		17,359,090	
Consumption of local mills		1,250,000	
Wool held in country		100,000	
Wool sold and awaiting shipment, Jan. 1		1,400,000	
			41,110,076
On hand in San Francisco Jan. 1, 1892			2,500,500

San Francisco Wool Quotations, 1891.

SPRING CLIP.

Choice Northern (Humbolt & Mendocino)	21	to 22½	cts. per lb.
Good Northern Red Bluff, etc.	20	to 22	" " "
Defective Northern	16	to 17½	" " "
Good choice San Joaquin	15	to 16	" " "
Good San Joaquin (twelve mouths' growth)	13	to 15	" " "
Southern Coast	12½	to 14	" " "

FALL CLIP.

Choice Northern (Humbolt & Mendocino)	15	to 17	cts. per lb.
Good Northern	13	to 14	" " "
San Joaquin	10	to 11	" " "
Heavy San Joaquin & Southern	8	to 9	" " "

OREGON.

Choice Valley	21	to 23	cts. per lb.
Choice Eastern	16	to 18	" " "
Good Eastern	12½	to 15	" " "

FREIGHTS.

Grease wool by rail (various routes)	1½	cts. per lb.
Grease wool by steamer *via* Cape Horn	¾	" " "
Grease wool by vessel	¾	" " "
Scoured wool by rail (various routes)	2½	" " "
Scoured wool by steamer *via* Cape Horn	1	" " "

No. 7.—Wools entered for Consumption in the United States, 1867-1891, by Class, Quantity, and Value.

Years.	No. 1 Clothing.		No. 2 Combing.		No. 3 Carpet Wools.		Total Pounds.
	Pounds.	Value.	Pounds.	Value.	Pounds.	Value.	
1867	1,270,356	$415,609	150,302	$31,827	36,263,017	$5,332,074	37,683,675
1868	4,681,679	918,588	1,804,272	332,315	18,096,600	2,704,768	24,582,551
1869	2,512,202	505,715	4,533,367	1,092,297	27,650,371	3,653,082	34,695,940
1870	6,530,493	1,249,152	2,752,569	765,147	29,351,006	3,416,024	38,634,068
1871	5,957,461	1,201,201	17,665,600	3,167,835	26,550,995	3,335,638	50,174,056
1872	16,871,352	4,183,960	41,155,460	8,952,131	36,289,141	6,435,468	94,315,953
1873	6,029,488	1,744,200	46,540,231	12,723,501	28,642,863	5,998,465	84,212,582
1874	2,398,210	815,307	27,087,438	6,193,150	27,308,090	4,608,410	56,793,738
1875	13,117,679	3,602,535	7,760,157	2,153,261	30,799,458	4,472,826	51,676,294
1876	8,643,366	2,187,713	3,167,307	1,153,504	28,465,005	4,546,398	40,275,678
1877	9,294,029	2,202,639	2,509,954	830,715	28,310,411	3,979,617	40,114,394
1878	9,916,012	2,431,043	3,028,869	969,683	26,856,280	3,594,640	39,801,161
1879	5,229,987	1,114,301	1,709,601	413,761	33,163,054	3,988,752	40,102,642
1880	26,785,172	6,412,273	13,266,856	3,801,730	59,320,412	7,699,663	99,372,440
1881	20,609,707	4,751,454	4,421,491	1,271,332	42,385,769	6,038,041	67,416,967
1882	13,489,923	3,042,407	2,318,671	648,252	47,208,175	6,642,699	63,016,769
1883	11,546,530	2,567,443	1,373,114	343,987	40,130,323	5,580,538	53,049,967
1884	20,703,843	4,700,605	4,474,396	1,058,758	62,525,692	7,833,936	87,703,931
1885	13,472,432	2,994,533	3,891,914	921,252	50,782,306	5,558,479	68,146,652
1886	23,321,759	4,344,189	4,872,739	1,106,116	79,716,052	8,343,908	107,910,550
1887	23,195,734	4,339,498	9,703,962	2,270,058	81,504,477	9,741,814	114,404,173
1888	16,952,513	3,648,780	5,568,068	1,322,862	74,710,686	9,090,459	97,231,267
1889	22,973,098	4,764,015	6,651,719	1,556,309	96,356,467	11,112,435	126,181,274
1890	21,387,867	4,856,640	7,662,978	1,895,535	80,851,260	9,412,866	109,902,105
1891	26,520,670	6,025,152	6,973,921	1,640,202	85,895,689	9,404,468	119,390,280

AMOUNT OF WOOL DUTIES PAID IN 1890 AND 1891.

	1890.	1891.
Clothing wools	$2,193,319	$2,867,492
Combing wools	778,855	762,743
Carpet wools	2,488,711	2,922,032
Total	$5,460,885	$6,552,267

No. 8.—Imports of Class III. Wools entered for Consumption.

FISCAL YEARS 1880-91.

Bureau of Statistics U.S. Treasury.

Value per Pound in the Grease.	Duty per Pound.	Quantity.	Total Value.	Average Value per Pound.	Average ad valorem Duty.
1880.	*Cents.*	*Pounds.*	*Dollars.*	*Cents.*	*Per cent.*
12 cents or less . . .	3	49,412,562	5,538,413	11.2	26.77
Over 12 cents . . .	6	9,907,849	2,161,250	21.8	27.51
1881.					
12 cents or less . . .	3	28,917,217	3,384,424	11.7	25.63
Over 12 cents . . .	6	13,468,552	2,653,617	19.7	30.45
1882.					
12 cents or less . .	3	32,501,620	3,825,762	11.8	25.49
Over 12 cents . . .	6	14,706,555	2,816,937	19.2	31.32
1883.					
12 cents or less . . .	3	28,477,593	3,436,786	12.1	24.86
Over 12 cents . . .	6	11,652,510	2,143,750	18.4	32.61
1884.					
12 cents or less . .	2½	46,654,102	5,153,586	11.0	22.63
Over 12 cents . . .	5	15,870,660	2,680,214	16.9	29.61
1885.					
12 cents or less . . .	2½	45,073,356	4,572,971	10.1	24.64
Over 12 cents . . .	5	5,708,792	985,478	17.3	28.96
1886.					
12 cents or less . . .	2½	71,550,878	6,944,333	9.7	25.76
Do. scoured	7½	43,865	6,087	13.9	54.05
Over 12 cents . . .	5	8,121,089	1,393,414	17.2	29.14
1887.					
12 cents or less . . .	2½	61,811,967	6,185,733	10.0	24.98
Do. scoured	7½	6,717	1,206	17.9	41.77
Over 12 cents . . .	5	19,685,714	3,554,823	18.1	27.69
1888.					
12 cents or less . . .	2½	54,703,172	5,515,569	10.1	24.79
Do. scoured	7½	385,028	67,335	17.5	42.88
Over 12 cents . . .	5	19,618,989	3,506,520	17.9	27.98
Do. scoured	15	3,462	993	28.7	52.30
1889.					
12 cents or less . . .	2½	75,799,718	7,703,743	10.2	24.60
Over 12 cents . . .	5	20,756,141	3,408,317	16.4	30.45
1890.					
12 cents or less . . .	2½	61,626,657	6,291,320	10.2	24.49
Over 12 cents . . .	5	18,307,429	2,990,582	16.3	30.61
1891.					
12 cents or less . . .	2½	26,268,357	2,652,321	10.1	24.76
Over 12 cents . . .	5	6,403,112	1,069,368	16.7	29.94
13 cents or less . . .	32 %	46,879,665	4,830,643	10.3	32.
Over 13 cents . . .	50 %	4,841,171	703,312	14.5	50.
Camel's hair 13 cents or less . .	32 %	1,478,711	146,461	9.9	32.

No. 9. — Classified Imports of Wool at Boston, New York, and Philadelphia, 1882 to 1891.

United States Bureau of Statistics, Treasury Department.

Cities.	Class 1. Clothing Wool.	Class 2. Combing Wool.	Class 3. Carpet, etc., Wools.	Total.
1882.	*Pounds.*	*Pounds.*	*Pounds.*	*Pounds.*
Boston				27,111,894
New York				35,126,624
Philadelphia				2,443,062
Total				64,681,580
1883.				
Boston				31,429,249
New York				32,021,876
Philadelphia				4,076,228
Total				67,527,353
	Not Classified till 1884.			
1884.				
Boston	11,953,896	2,907,918	16,573,504	31 435,318
New York	5,300,379	688,425	31,161,307	37,150,111
Philadelphia	922,886	4,260	4,588.136	5,515,282
Total	18,177,161	3,600,603	52,322,947	74,100,711
1885.				
Boston	6,102,492	2,290,197	19,497,612	27,890,301
New York	3,985,630	128,870	30,215,890	34,330,390
Philadelphia	431,793	50,622	5,045,422	5,527,837
Total	10,519,915	2,469,689	54,758,924	67,748,528
1886.				
Boston	21,605,050	4,609,106	22,184,693	48,398,849
New York	15,241,178	892,458	43,847,200	59,980,836
Philadelphia	987,918	1,125,011	12,576,922	14,689,851
Total	37,834,146	6,626,575	78,608,815	123,069,536
1887.				
Boston	9,025,083	7,597,325	24,302,413	40,924,821
New York	5,243,858	1,204,984	49,304,046	55,752,888
Philadelphia	647,498	1,622,147	10,248,216	12,517,861
Total	14,916,439	10,424,456	83,854,675	109,195,570
1888.				
Boston	15,862,202	3,896,936	28,936,449	48,695,587
New York	4,863,626	420,492	44,740,233	50,024,351
Philadelphia	696.853	1,030,773	11.026,559	12,754,185
Total	21,422,681	5,348,201	84,703,241	111,474,1.3
1889.				
Boston	19,573,701	4,315,981	24,912,637	48,802,319
New York	6,797,401	515,858	46,207,633	53,520,892
Philadelphia	1,350,062	1,773,076	18,363,946	21,487,084
Total	27,721,164	6,604,915	89,484,216	123,810,295
1890.				
Boston	11,154,247	5,196,059	29,277,193	45,627,499
New York	2,716,348	1,178,465	39,413,896	43,308,709
Philadelphia	1,621,512	899,649	11,461,395	13,982,556
Total	15,492,107	7,274,173	80,152,484	102,918,764
1891.				
Boston	23,574,857	4,060,718	26,878,778	54,514,353
New York	4,748,593	675.697	46,402,122	51,826,412
Philadelphia	2.415,568	987.422	14,702,618	18,105,608
Total	30,739,018	5,723,837	87,983,518	124,446,373

No. 10.–Countries of Production and of Immediate Shipment of Wools

IMPORTED INTO THE CUSTOMS DISTRICTS OF NEW YORK, BOSTON, AND PHILADELPHIA DURING THE YEAR ENDING SEPT. 30, 1891.

By quantity and class:

Countries of Production.	Countries of Immediate Shipment.	Class 1. *Pounds.*	Class 2. *Pounds.*	Class 3. *Pounds.*	Total. *Pounds.*
Argentine Republic	Argentine Rep.	210,047	. . . .	14,150,431	14,456,142
	Belgium	18,824	. . . .	. . . . .	
	England	6,467	. . . .	69,485	
	France	888	. . . .	. . . . .	
Austria	Austria	8,672	. . . .	382,369	849,692
	Austro-Hungary	832	14,486	421,113	
	England	. . . . .	. . . .	22,220	
Belgium	Belgium	. . . . .	5,142	13,100	18,242
Brazil	Brazil	214,972	. . . .	3,858	231,709
	Germany	. . . . .	. . . .	22,879	
Chili	Chili	995,329	833	1,204,799	2,229,994
	England	1,112	. . . .	27,921	
China	China	. . . . .	31,987	12,565,253	13,355,308
	England	. . . . .	7,656	726,630	
	France	. . . . .	. . . .	10,467	
	Hongkong	. . . . .	. . . .	13,315	
Denmark	Germany	. . . . .	381	. . . . .	381
Iceland	England	. . . . .	. . . .	214,327	214,327
France	France	18,941	106,862	1,414,639	1,877,560
	England	. . . . .	6,641	330,477	
French Africa	French Africa	. . . . .	. . . .	4,446	4,446
Germany	Germany	14,652	26,681	330,521	499,785
	Austria	. . . . .	. . . .	57,399	
	England	. . . . .	624	69,908	
England	England	339,354	2,461,133	2,187,961	5,000,548
	Scotland	. . . . .	. . . .	12,100	
Scotland	Scotland	. . . . .	5,047	4,781,152	7,768,974
	England	. . . . .	14,931	2,967,844	
Ireland	England	. . . . .	903,860	. . . . .	903,860
British East Indies	British E. Indies	. . . . .	. . . .	89,757	2,377,545
	England	. . . . .	13,443	2,201,146	
	France	. . . . .	. . . .	73,199	
East Indies, not specified elsewhere	England	. . . . .	. . . .	1,018,557	1,018,557
British Africa	British Africa	1,351,863	19,248	3,949	1,688,996
	England	155,369	157,321	1,246	
British Australasia	Brit. Australasia	8,451,727	29,134	. . . . .	27,947,690
	England	19,450,230	. . . .	. . . . .	
	Scotland	12,207	. . . .	. . . . .	
	Belgium	4,392	. . . .	. . . . .	
Dutch West Indies	Dutch W. Ind.	849	. . . .	14,888	15,737
Dutch East Indies	England	. . . . .	. . . .	100	100
Russia on the Baltic	Russia on Baltic,	. . . . .	. . . .	8,996,909	13,317,532
	England	5,872	. . . .	4,176,415	
	France	. . . . .	. . . .	23,114	
	Russia on Black Sea	. . . . .	. . . .	115,222	
Carried forward	. . . . .	. . . . .	. . . .	. . . .	. . . . .

Statement showing by countries of production, etc. — *Continued.*

Countries of Production.	Countries of Immediate Shipment.	Class 1. *Pounds.*	Class 2. *Pounds.*	Class 3. *Pounds.*	Total. *Pounds.*
. . . . .	. . . . .	. . . .	. . . .	. . . . .	. . . . .
Russia on the Black Sea . .	Russia on Black Sea	577	. . . .	12,586,735	14,566,305
	England	. . . .	. . . .	1,000,632	
	France	. . . .	. . . .	39,963	
	Russia on Baltic, ...	. . . .	. . . .	938,398	
Russia, Asiatic . .	England	. . . .	. . . .	21,690	107,778
	Germany . . .	. . . .	. . . .	16,909	
	Russia on the Baltic	. . . .	. . . .	69,179	
Turkey in Europe . . .	Turkey in Europe	8,590	325,017	784,477	2,168,471
	England	. . . .	278,846	642,419	
	France	. . . .	. . . .	129,122	
Turkey in Asia	Turkey in Asia, ...	. . . .	20,542	2,774,179	15,416,726
	England	12,246	889,733	8,898,533	
	France	. . . .	. . . .	2,522,903	
	Austria	. . . .	. . . .	24,386	
	Turkey in Europe	. . . .	1,367	169,902	
	Russia on the Baltic	. . . .	. . . .	102,935	
Asia, N.O.S.	England	1,933	2,958	2,394,302	3,947,337
	France	10,693	. . . .	1,126,051	
	Russia on Baltic, ...	. . . .	. . . .	411,400	
Spain	Spain	. . . .	. . . .	28	37,978
	England	5,064	. . . .	. . . . .	
	France	32,886	. . . .	. . . . .	
Turkey in Africa	Turkey in Africa	1,000	. . . .	. . . . .	11,662
	England	. . . .	. . . .	10,662	
Uruguay . . .	Uruguay	998,181	. . . .	10,810	1,008,991
Italy	Italy	. . . .	. . . .	200	24,730
	England	. . . .	. . . .	16,910	
	France	. . . .	. . . .	7,620	
All others, countries of production not known,	England	239,217	. . . .	366,727	1,007,685
	Russia on Baltic, ...	. . . .	. . . .	342,717	
	Turkey in Europe	. . . .	. . . .	57,662	
	Dutch West Indies	. . . .	. . . .	1,362	
Turkey, not specified .	England	. . . .	19,342	116,815	191,886
	Germany . . .	. . . .	. . . .	25,875	
	Netherlands . .	. . . .	. . . .	29,854	
British West Indies	British West Indies	465	. . . .	1,475	1,940
Persia	England	. . . .	. . . .	6,486	6,486
Venezuela . .	Venezuela . . .	. . . .	. . . .	7,364	7,364
Nova Scotia . .	Nova Scotia . .	100	62	. . . . .	162
Switzerland . .	Switzerland . .	. . . .	. . . .	51,703	51,703
Portugal . . .	England	. . . .	. . . .	51,229	51,229
Servia . . .	England	. . . .	. . . .	23,186	105,530
	Austria	. . . .	. . . .	11,434	
	Germany . . .	. . . .	. . . .	41,927	
	Netherlands . .	. . . .	. . . .	28,983	
India, not spec'd	England	. . . .	. . . .	17,073	17,073
Colonial, "	England	41,778	. . . .	. . . . .	41,778

Statement showing by countries of production, etc. — *Concluded.*

Countries of Production.	Countries of Immediate Shipment.	Class 1. *Pounds.*	Class 2. *Pounds.*	Class 3. *Pounds.*	Total. *Pounds.*
. . . . .	. . . . .	. . . . .	. . . .	. . . . .	. . . . .
Russia, not spec.	England	. . . . .	. . . .	177,082	177,082
Br Possessions, all others . .	Br. Possessions, all others . .	. . . . .	. . . .	3,372	3,372
Colombia . . .	France	. . . . .	14	. . . . .	14
Danish West Indies	Danish West Indies	. . . . .	. . . .	150	150
Japan	England	. . . . .	. . . .	3,406	3,406
Gibraltar . . .	Gibraltar . . .	. . . . .	. . . .	90	90
	Total	32,615,329	5,343,291	94,775,433	132,734,053
Imported into	New York . . .	5,224,824	577,712	50,495,285	56,297,821
	Boston	24,803,146	3,535,402	30,418,471	58,757,019
	Philadelphia . .	2,587,359	1,230,177	13,861,677	17,679,213
		32,615,329	5,343,291	94,775,433	132,734,053

No. 11.—Wool Produced, Imported, Exported, and Retained for Consumption in the United States, 1840-1891.

Bureau of Statistics, U. S. Treasury.

Year Ending June 30—	Production.	Imports.	Total production and imports.	Exports.			Retained for home consumption.	Per cent. of imports.
				Domestic.	Foreign.	Total.		
	Pounds.	*Pounds.*	*Pounds.*	*Pounds.*	*Pounds.*	*Pounds.*	*Pounds.*	*Per cent.*
1840	35,802,114	9,898,740	45,700,854	. . . . .	85,528	85,528	45,615,326	21.7
1850	52,516,059	18,695,294	71,212,253	35,898	. . . . .	35,898	71,176,355	26.3
1860	60,264,913	26,282,955	86,547,868	1,055,928	157,064	1,212,972	85,334,896	30.4
1865	142,000,000	44,420,375	186,420,375	466,182	679,281	1,145,463	185,274,912	23.6
1870	162,000,000	49,230,199	211,230,199	152,892	1,710,053	1,862,945	209,367,254	23.3
1871	160,000,000	68,058,028	228,058,028	25,195	1,305,311	1,330,506	226,727,522	29.9
1872	150,000,000	126,507,409	276,507,409	140,515	2,343,937	2,484,442	274,022,967	44.9
1873	158,000,000	85,496,049	243,496,049	75,129	7,040,386	7,115,515	236,380,534	35.1
1874	170,000,000	42,939,541	212,939,541	319,600	6,816,157	7,135,757	205,803,784	20.2
1875	181,000,000	54,901,760	235,901,760	178,034	3,567,627	3,745,661	232,156,099	23.3
1876	192,000,000	44,642,836	236,642,836	104,768	1,518,426	1,623,194	235,019,642	18.9
1877	200,000,000	42,171,192	242,171,192	79,599	3,088,957	3,168,556	239,002,636	17.4
1878	208,250,000	48,449,079	256,699,079	347,854	5,952,221	6,300,075	250,399,004	18.9
1879	211,000,000	39,005,155	250,005,155	60,784	4,104,616	4,165,400	245,839,755	15.6
1880	232,500,000	128,131,747	360,631,747	191,551	3,648,520	3,840,071	356,791,676	35.5
1881	240,000,000	55,964,236	295,964,236	71,455	5,507,534	5,578,980	290,385,247	18.9
1882	272,000,000	67,861,744	399,861,744	116,179	3,831,836	3,948,015	335,913,729	20.0
1883	290,000,000	70,575,478	360,575,478	64,474	4,010,043	4,074,517	356,500,961	19.6
1884	300,000,000	78,350,651	378,350,651	10,393	2,304,701	2,315,094	376,035,557	20.7
1885	308,000,000	70,596,170	378,596,170	88,006	3,115,339	3,203,345	375,392,825	18.7
1886	302,000,000	129,084,958	431,084,958	146,423	6,534,426	6,680,849	424,404,109	29.9
1887	285,000,000	114,038,030	399,038,030	257,940	6,728,292	6,986,232	392,051,798	29.1
1888	269,000,000	113,558,753	382,558,753	22,164	4,359,731	4,381,895	378,176,858	29.7
1889	265,000,000	126,487,729	391,487,729	141,576	3,263,094	3,404,670	388,083,059	32.3
1890	276,000,000	105,431,285	381,431,285	231,042	3,288,467	3,519,509	377,911,776	27.6
1891	285,000,000	129,303,648	414,303,648	291,922	2,638,123	2,930,045	411,373,603	30.2

NOTE. — The data of production furnished by Department of Agriculture.

No. 12.—Stocks of Wool on Hand in the United States, Jan. 1 — 1888 to 1892.

FENNO BROTHERS & CHILDS, BOSTON.

Domestic.

	1892.	1891.	1890.	1889.	1888.
Boston	28,705,300	24,042,900	29,600,000	18,317,700	31,974,990
New York	3,728,100	5,008,400	4,502,000	4,476,300	4,490,000
Philadelphia	7,000,000	7,500,000	7,000,000	10,000,000	15,000,000
Albany and Troy	1,283,000	2,055,000	1,455,000	1,200,000	2,000,000
Hartford	2,500,000	1,500,000	2,500,000	3,000,000	. . . . .
Providence	750,000	. . . . .	. . . . .	. . . . .	. . . . .
Western Penn.	1,000,000	1,000,000	1,000,000	2,000,000	4,000,000
Wheeling	250,000	375,000	300,000	300,000	. . . . .
Ohio	5,200,000	2,300,000	3,500,000	1,500,000	8,000,000
Michigan	1,500,000	1,370,000	1,250,000	500,000	1,000,000
Louisville, etc.	260,000	550,000	450,000	340,000	450,000
Chicago	4,255,000	3,000,000	4,500,000	3,000,000	7,500,000
Milwaukee	400 000	500,000	. . . . .	. . . . .	. . . . .
St. Louis	7,130,000	5,110,000	6,500,000	2,000,000	5,000,000
Texas	1,005,000	880,000	1,800,000	500,000	3,000,000
Territories	500,000	1,000,000	1,500,000	. . . . .	. . . . .
Oregon	250,000	200,000	500,000	500,000	2,000,000
San Francisco	2,500,000	7,397,000	4,100,000	2,000,000	6,000,000
	68,216,400	63,928,300	70,457,000	49,584,000	90,414,000
Concealed supplies	10,000,000	12,000,000	15,000,000	15,000,000	15,000,000
Total	78,216,400	75,928,300	85,457,000	64,584,000	105,414,000

Foreign.

	1892.	1891.	1890.	1889.	1888.
Boston	1,609,300	1,793,200	5,603,300	3,088,500	2,156,000
New York	11,545,566	5,457,600	6,500,000	8,323,800	6,940,530
Philadelphia	8,000,000	7,000,000	3,000,000	6,000,000	. . . . .
Total	21,154,866	14,250,800	15,103,300	17,412,300	. . . . .

No. 13.—Prices of Ohio Fine, Medium, and Coarse Washed Fleece Clothing Wool in the Markets of New York and Philadelphia (1824-91).

(*Currency prices from 1862 to 1878.*)

Mauger & Avery's Annual Wool Circular.

Year.	January.			April.			July.			October.		
	Fine.	Medium.	Coarse.	Fine.	Medium.	Coarse.	Fine.	Medium.	Coarse.	Fine.	Medium.	Coarse.
	Cts.	*Cts.*	*Cts.*	*Cts.*	*Cts.*	*Cts.*	*Cts.*	*Cts.*	*Cts.*	*Cts.*	*Cts.*	*Cts.*
1824 . .	68	53	40	70	46	31	55	40	30	60	40	30
1825 . .	60	43	32	60	42	33	50	41	32	50	42	36
1826 . .	55	43	38	52	46	41	37	30	26	43	37	32
1827 . .	36	32	28	45	34	30	37	31	25	43	32	25
1828 . .	42	30	25	44	36	28	48	38	33	48	40	32
1829 . .	54	45	35	45	35	32	46	36	32	37	30	27
1830 . .	40	35	30	50	38	32	60	50	40	70	60	48
1831 . .	70	60	48	70	60	50	75	65	50	70	60	50
1832 . .	65	55	44	60	52	42	50	42	30	50	40	30
1833 . .	55	41	33	63	53	38	61	54	40	65	55	45
1834 . .	70	60	48	67	56	44	60	50	40	62	50	40
1835 . .	63	50	40	65	60	45	63	56	42	65	60	45
1836 . .	65	60	45	68	62	47	70	60	50	70	60	50
1837 . .	72	63	48	68	56	46	52	52	36	49	40	31
1838 . .	50	42	35	50	42	35	46	36	30	56	48	37
1839 . .	56	48	38	56	48	38	57	48	40	60	55	44
1840 . .	50	45	38	49	43	36	45	39	33	46	38	33
1841 . .	52	45	35	53	46	37	50	44	34	48	42	33
1842 . .	48	42	35	46	40	32	43	37	30	38	31	25
1843 . .	35	30	25	33	28	25	35	30	26	36	32	26
1844 . .	37	30	26	43	36	30	45	37	32	50	40	33
1845 . .	47	40	31	45	38	32	40	36	30	38	35	28
1846 . .	40	35	30	38	33	28	38	32	27	36	30	22
1847 . .	45	40	30	47	40	31	46	40	31	47	40	30
1848 . .	45	38	30	43	37	30	38	32	28	33	30	24
1849 . .	33	30	23	40	36	30	40	35	28	42	36	30
1850 . .	47	40	33	45	37	30	45	37	30	46	40	35
1851 . .	46	40	33	50	44	36	47	42	37	45	40	35
1852 . .	43	38	34	42	36	33	45	38	33	50	42	37
1853 . .	58	56	50	62	56	50	60	53	48	55	50	48
1854 . .	53	47	42	57	52	46	45	37	30	42	36	30
1855 . .	40	35	32	43	35	32	50	40	33	52	41	36
1856 . .	50	38	35	57	45	38	55	42	36	60	55	45
1857 . .	58	50	42	60	56	45	56	50	40	38	30	25
1858 . .	40	33	27	42	35	30	43	37	30	56	41	36
1859 . .	60	52	45	60	46	37	56	40	35	60	50	42
1860 . .	60	50	42	52	45	40	55	50	40	50	45	40
1861 . .	45	40	37	45	37	32	38	30	22	47	48	50
1862 . .	48	50	50	46	45	43	48	47	45	60	60	63
1863 . .	75	68	70	80	85	80	75	70	65	85	80	76
1864 . .	80	78	76	78	77	72	100	100	90	103	95	100
1865 . .	102	100	96	80	80	75	75	73	65	75	75	65
1866 . .	70	65	50	65	60	48	70	67	60	63	60	56
1867 . .	68	53	50	60	55	50	55	49	45	48	46	40
1868 . .	48	43	38	50	48	45	46	45	43	48	48	45
1869 . .	50	50	48	50	50	48	48	48	47	48	48	46

Prices of Ohio Wool. — *Concluded.*

Year.	January.			April.			July.			October.		
	Fine.	Medium.	Coarse.	Fine.	Medium.	Coarse.	Fine.	Medium.	Coarse.	Fine.	Medium.	Coarse.
	Cts.	*Cts.*	*Cts.*	*Cts*	*Cts.*	*Cts.*	*Cts.*	*Cts.*	*Cts.*	*Cts.*	*Cts.*	*Cts.*
1870 . .	48	46	44	48	47	46	46	45	43	48	48	44
1871 . .	47	46	43	50	52	47	62	60	55	63	62	58
1872 . .	70	72	66	80	80	76	72	70	65	66	60	57
1873 . .	70	68	65	56	53	48	50	48	44	54	53	47
1874 . .	58	54	47	56	56	47	53	53	46	54	54	47
1875 . .	55	56	47	54	52	46	52	49	46	48	50	42
1876 . .	48	52	42	46	49	40	38	35	31	45	40	33
1877 . .	46	43	36	45	40	33	50	44	37	48	44	36
1878 . .	44	45	38	40	43	35	36	36	32	35	37	32
1879 . .	34	35	32	34	34	31	37	38	34	41	43	38
1880 . .	50	55	48	55	60	52	46	48	42	46	48	42
1881 . .	47	49	43	40	44	37	42	44	36	43	46	36
1882 . .	44	46	47	42	45	34	42	45	34	42	45	34
1883 . .	40	43	33	44	44	37	39	41	33	39	40	34
1884 . .	40	40	34	38	38	34	35	34	30	35	34	30
1885 . .	34	33	29	32	32	28	32	31	28	33	35	32
1886 . .	35	36	32	33	34	30	33	33	29	35	38	34
1887 . .	33	38	33	33	37	33	34	38	35	32	36	34
1888 . .	31	35	33	31	34	33	29	33	31	31	34	31
1889 . .	34	38	33	33	37	31	35	39	32	33	37	31
1890 . .	33	37	29	33	36	29	33	37	29	33	37	31
1891 . .	33	37	31	32	37	31	31	35	29	31	35	30

No. 14.—The Boston Wool Market, 1891. (Reported by DENNY, RICE & Co.)

	Jan.	Feb.	March.	April.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.
OHIO, PENN., AND W. VA.,												
XXX, and Pick-Lock	36	35 to 36	35	34 to 35	34 to 35	34 to 35	34 to 35	33 to 35	33 to 34	33 to 34	32½ to 33	32½ to 33
XX	33½ to 34	33½ to 34	32½ to 33	32 to 33	32 to 32½	31 to 32	31 to 32	31 to 32	30 to 31	30 to 31	30 to 31	30 to 31
X	31½ to 32½	31½ to 32½	31 to 32	31 to 32	30 to 31	30	30	30	29 to 30	29 to 30	28 to 29	28 to 29
No. 1	37 to 38	37 to 38	37 to 38	37 to 38	36 to 37	36	36	36	35 to 36	35 to 36	35 to 36	35 to 36
No. 2	34	34	33 to 34	33 to 34	33	33	33	33	33	33	33	32 to 33
Fine Unwashed	21 to 22½	21 to 22½	21 to 22½	21 to 22½	21 to 22	21 to 22	21 to 22	21 to 22	21 to 22	21 to 22	21 to 21½	20 to 21½
Unmerchantable	24 to 25	24 to 25	24 to 25	23 to 24	23 to 24	23 to 24	23 to 24	23 to 24	23 to 24	23 to 24	23 to 24	23 to 24
Ohio C'b'g No. 1 (⅜ & ½)	40 to 42	40 to 42	40 to 42	40 to 42	40	39 to 40	39 to 40	39 to 40	38 to 40	38 to 40	38 to 39	38 to 38½
Ohio C'b'g No. 2 (¼ bld)	37 to 38	37 to 38	37 to 38	37 to 38	37	36 to 37	35 to 36	35 to 36	35	35	35	35
Ohio Delaine	36 to 36½	37	36 to 37	36 to 37	35½ to 36	35 to 35½	35 to 35½	35 to 35½	35	35	34½ to 35	34 to 34½
MICH., N. Y., AND N. E.												
X, and above	28½ to 30	28½ to 30	28½ to 30	28½ to 30	28 to 29	27 to 27½	27 to 27½	27	27	26½ to 27	26 to 26½	26 to 27
No. 1	35 to 36	36 to 37	36 to 37	36	35 to 36	34 to 35	34 to 35	34 to 35	34	34	34	33 to 34
No. 2	34	34	34	33 to 34	33	33	33	33	32½ to 33	32½ to 33	32½ to 33	32 to 32½
Fine Unwashed	21 to 23	21 to 23	21 to 23	21 to 22½	20 to 21½	20 to 21	20 to 21	20 to 21	19 to 20	19 to 20	19 to 20	19 to 20
Unmerchantable	22 to 23	22 to 23	22 to 23	22 to 23	22 to 22½	22 to 22½	22 to 22½	22 to 22½	22 to 22½	22 to 22½	22 to 22½	21½ to 22
Mich. C'b'g No. 1 (⅜ & ½)	39 to 41	39 to 41	39 to 40	38 to 40	38 to 39	38 to 39	38 to 39	38 to 39	37 to 38	37 to 38	37 to 37½	36 to 37
Mich. C'b'g No. 2 (¼ bld)	37 to 38	37 to 38	37 to 38	36 to 37	35 to 36	35 to 36	35 to 36	35 to 36	35	34½ to 35	34½ to 35	33 to 35
Michigan Delaine	34 to 35	34 to 35½	34 to 35½	34 to 35½	34 to 35	34 to 34½	34 to 34½	33 to 34	33	32½ to 33	32½ to 33	32 to 33
KY., IND., AND MO.												
Combing, ⅜ blood	30 to 31	30 to 31	30	30	28 to 30	27 to 28	27 to 28	27 to 28	27	27	27 to 27½	27 to 28
" ¼ "	27 to 28	27 to 28	27	27	26 to 27	26 to 27	26 to 27	26	26	26	25 to 26	25 to 27
" Braid	23 to 25	23 to 25	23 to 25	23 to 24	23 to 24	23 to 24	23 to 24	23 to 24	23	23	23	22 to 23
Clothing, ⅜ blood	29 to 30	29 to 30	28 to 29	28 to 29	28 to 29	27 to 28	27 to 28	26 to 27	26 to 27	26 to 27	26 to 27½	26 to 27½
" ¼ "	26 to 27	26 to 27	26 to 27	26 to 27	26	26	26	25 to 26	25 to 26	25 to 26	25 to 26	25 to 26
" Coarse	22 to 23	22 to 23	22 to 23	22	22	22	22	22	22	22	22	21 to 22
TEXAS. (*Scoured basis.*)												
Spring, fine, 12 months,	60 to 63	60 to 63	60 to 63	60 to 63	60 to 63	60 to 62	60 to 62	60 to 62	60 to 62	60 to 62	60	60
" " 6 to 8 mos.	54 to 57	54 to 57	54 to 57	54 to 57	54 to 57	54 to 57	54 to 57	54 to 56	54 to 56	54 to 56	54 to 55	54 to 55
" medium, 12 mos.	57 to 59	57 to 59	57 to 59	57 to 59	57 to 58	57 to 58	57 to 58	56 to 58	55 to 57	55 to 57	55 to 56	55 to 56
" med. 6 to 8 mos.	55 to 56	55 to 56	55 to 56	55 to 56	55	54 to 55	54 to 55	53 to 55	53 to 55	54 to 55	52 to 55	52 to 55
Fall, fine	53 to 55	53 to 55	53 to 55	none.	none.	none.	none.	none.	55	53 to 55	52 to 55	52 to 53
" medium	50 to 55	50 to 55	50 to 55	none.	none.	none.	none.	none.	50 to 52	48 to 52	48 to 52	48 to 52

CAL. (*Scoured basis.*)												
Spring, Northern, free, 12 months	58 to 62	58 to 62	58 to 62	58 to 60	58 to 60	58 to 60	58 to 60	57 to 58	57 to 58	57 to 58	55 to 57	55 to 57
Spring, Northern, free, 6 to 8 months	54 to 57	54 to 57	54 to 57	53 to 57	53 to 57	53 to 56	53 to 56	53 to 55	53 to 55	53 to 55	52 to 55	52 to 55
Southern, 12 months	56 to 58	56 to 58	56 to 58	56 to 58	56 to 58	56 to 57	56 to 57	55	55	55	54 to 55	54 to 55
" 6 to 8 months,	53 to 56	53 to 56	53 to 56	53 to 55	53 to 55	53 to 55	53 to 55	52 to 55	52 to 55	50 to 55	50 to 55	50 to 55
Fall, free	48 to 52	48 to 52	48 to 52	48 to 52	48 to 52	48 to 52	48 to 52	48 to 52	48 to 52	48 to 52	48 to 52	48 to 52
" defective	33 to 40	33 to 40	33 to 40	33 to 40	33 to 40	33 to 40	33 to 40	33 to 40	33 to 40	30 to 40	30 to 40	30 to 40
OREGON. (*Scoured basis.*)												
Eastern, No. 1	57 to 62	57 to 62	57 to 62	57 to 60	57 to 60	57 to 58	57 to 58	56 to 58	56 to 58	56 to 58	56 to 57	55 to 57
" No. 2	55 to 60	55 to 60	55 to 60	55 to 58	55 to 57	55 to 56	55 to 56	53 to 55	53 to 55	53 to 55	53 to 54	53 to 54
Valley, No. 1	57 to 62	57 to 62	57 to 62	57 to 60	57 to 60	57 to 58	57 to 58	56 to 58	56 to 58	56 to 58	56 to 57	55 to 57
" No. 2	55 to 60	55 to 60	55 to 60	55 to 57	55 to 56	55 to 56	55 to 56	53 to 55	53 to 55	53 to 55	53 to 54	52 to 54
MONTANA. (*Scoured basis.*)												
Fine	62 to 65	62 to 65	62 to 65	62 to 65	60 to 63	60 to 62	60 to 63	60 to 62	60 to 62	60 to 62	60	60
Fine medium	58 to 60	58 to 60	58 to 60	58 to 60	58 to 60	58 to 60	58 to 60	58 to 60	58 to 60	58 to 60	57 to 58	57 to 58
Medium	55 to 57	55 to 57	55 to 57	55 to 57	55 to 57	55 to 57	55 to 57	54 to 56	54 to 56	54 to 56	54 to 55	53 to 55
WYOMING AND UTAH. (*Scoured basis.*)												
Fine	58 to 62	58 to 62	58 to 62	58 to 62	58 to 62	58 to 60	58 to 60	57 to 60	57 to 60	57 to 60	57 to 60	57 to 60
Fine medium	57 to 60	57 to 60	57 to 60	57 to 60	57 to 60	57 to 59	57 to 59	57 to 58	57 to 58	57 to 58	56 to 57	56 to 57
Medium	55	55	55	55	55	55	55	53 to 55	53 to 55	53 to 55	53 to 54	52 to 54
COL. AND NEW MEXICO.												
Improved	18 to 24	18 to 24	18 to 24	18 to 24	18 to 23	18 to 23	18 to 23	18 to 23	18 to 23	18 to 23	18 to 22	18 to 22
Coarse and carpet	14 to 16	14 to 16	14 to 16	14 to 16	14 to 16	14 to 16	14 to 16	14 to 16	14 to 16	14 to 16	14 to 16	13 to 16
PULLED. *Scoured basis.*												
Extra	62 to 65	63 to 67	63 to 67	63 to 66	63 to 65	62 to 65	60 to 65	60 to 65	60 to 65	60 to 63	60 to 63	60 to 63
A. Super	56 to 60	57 to 60	57 to 60	55 to 60	55 to 60	55 to 60	50 to 52	50 to 52	50 to 53	50 to 53	50 to 53	50 to 53
B. Super	45 to 50	45 to 50	45 to 50	43 to 48	43 to 48	42 to 48	43 to 48	42 to 47	42 to 47	42 to 46	42 to 46	42 to 46
No. 1	25 to 30	25 to 30	25 to 30	25 to 30	25 to 30	25 to 30	25 to 30	25 to 30	25 to 30	25 to 30	25 to 30	25 to 30
Combing	42 to 47	42 to 47	42 to 47	42 to 47	42 to 45	42 to 45	nom'l.	no m'l.	37 to 42	40 to 42	40 to 42	40 to 43
Fine Combing	55 to 60	55 to 60	55 to 60	55 to 60	55 to 60	55 to 60	nom'l.	no m'l.	nom'l.	nom'l.	nom'l.	50 to 52
California, Extra	60 to 65	62 to 67	62 to 67	60 to 66	60 to 65	60 to 65	60 to 65	60 to 65	60 to 65	60 to 63	60 to 63	60 to 63
Western, Extra	58 to 60	58 to 62	58 to 62	58 to 60	58 to 60	58 to 60	58 to 60	57 to 60	55 to 58	55 to 58	55 to 58	55 to 58
" Super	42 to 55	42 to 55	42 to 55	40 to 55	40 to 55	40 to 55	40 to 43	40 to 43	40 to 42	40 to 42	40 to 42	40 to 42
" Low	20 to 25	20 to 25	20 to 25	20 to 25	20 to 25	20 to 25	20 to 25	20 to 25	20 to 25	20 to 25	20 to 25	20 to 25

No. 15. — Carpet Wools. Average Prices at Boston on January 1, 1879 to 1892.

GEO. WM. BOND & CO.'S ANNUAL WOOL CIRCULARS.

	1879.	1880.	1881.	1882.	1883.	1884.	1885.	1886.	1887.	1888.	1889.	1890.	1891.	1892.
	Cts.	*Cts.*	*Cts.*	*Cts.*	*Cts.*	*Cts.*	*Cts.*	*Cts.*	*Cts.*	*Cts.*	*Cts.*	*Cts.*	*Cts.*	*Cts.*
Cordova and Santiago	14 to 15	17 to 18	20 to 21	18 to 19	18 to 19	16 to 17	14 to 14½	13½ to 14	15 to 16	14½ to 15	15 to 15½	15 to 15½	16¼ to 16½	15½ to 16
Criolla and Corrientes	12 " 13	15 " 16	17 " 18	16 " 17	15 " 17	14 " 15	12 " 13	12½ " 13	13½ " 14	13 " 14	none.	none.	none.	none.
Valparaiso . . .	14 " 15	17 " 18	18 " 19	18 " 19	18 " 19	15 " 16	13 " 14	13 " 13½	14½ " 15	14 " 14½	14 to 15	14½ to 15	15½ to 16	14½ to 15
Syrian, unwashed,	14 " 16	17 " 18	17 " 18	15 " 17	16 " 17	14 " 16	12 " 14	13 " 13½	14 " 14½	13 " 13½	12½ " 13	12 " 13	12½ " 13	12 to 12½
" washed .	20 " 25	25 " 30	25 " 30	25 " 28	25 " 28	23 " 25	18 " 20	17 " 18	18 " 20	20 " 22	22 " 23	23 " 25	22 " 23	20 " 22
Smyrna, washed .	20 " 25	25 " 28	25 " 30	20 " 25	25 " 27	21 " 23	16 " 20	17 " 20	18 " 22	20 " 23	22 " 26	23 " 27	25 " 30	18 " 25
" unwashed,	14 " 16	16 " 18	17 " 18	15 " 17	15 " 17	14 " 15	12 "14½	12½ " 17	14 " 18	13 " 15	12½ " 15	12 " 15	14 " 17	12 " 15
" limed white,	11 " 14	. . . .	12 " 20	19 " 22	18 " 19	17 " 19	10 " 15	13 " 16½	13 " 17	14 " 15	15 " 17	12 " 15	13 " 17	10 " 15
Donskoi Combing,	. . . .	. . . .	. . . .	. . . .	. . . .	25 " 28	22 " 24	22 " 24	26 " 30	24 " 25	26 " 28	24 " 26	25 " 28	19 " 20[1]
" Carding .	. . . .	. . . .	. . . .	. . . .	. . . .	21 " 23	18 " 21	19 " 20	23 " 24	20 " 22	22 " 23	20 " 22	22 " 24	18 " 19[2]
" unwashed,	. . . .	. . . .	. . . .	. . . .	. . . .	13 " 14	12 "12½	11 " 12	none.	none.	12 " 13	none.	13 " 16	12 " 13
All Black and Gray at relative value,	. . . .	. . . .	. . . .	. . . .	. . . .	. . . .	. . . .	. . . .	. . . .	. . . .	. . . .	. . . .	. . . .	. . . .
Persian, washed .	. . . .	. . . .	. . . .	. . . .	. . . .	20 " 25	18 " 22	16 " 17	18 to 20	20 to 22	25 " 26	20 to 25	23 " 25	25 " 26
" unwashed,	. . . .	. . . .	. . . .	. . . .	. . . .	15 " 16	12 " 14	13 " 13½	14 " 14½	13 " 13½	13½ "14½	12 " 13	14 "14½	13 " 14
Highland Laid, unwashed . . .	. . . .	. . . .	. . . .	. . . .	. . . .	12 " 13	11 " 12	12 " 13	12 " 13	none.	11 " 12	none.	none.	none.
Ditto, White . . .	. . . .	. . . .	. . . .	. . . .	. . . .	15 " 18	14 " 15	16 " 17	16 " 17	none.	16 " 17	16 to 17	17 to 18	17 to 18

[1] Washed, unassorted.

[2] Autumn.

} Impossible to make comparative quotations, because of change in character of importations to meet the requirements of the Tariff of 1890.

No. 16.—Consumption of Foreign and Domestic Mohair in the United States.

McNaughtan Co., Boston and New York.

	Foreign.	Domestic.	Total.
	Lbs.	*Lbs.*	*Lbs.*
1886	1,915,694	355,373	2,271,067
1887	1,299,726	534,543	1,834,269
1888	1,482,238	621,858	2,104,096
1889	1,720,432	685,106	2,405,538
1890	1,785,173	361,846	2,147,019
1891	1,615,789	423,260	2,039,049

Importations into the United States.

1886.

	Weight.	Value.	Average Value per Lb.
	Lbs.		*Cents.*
New York	355,029	$183,408	28
Boston	504,194	140,636	27 9-10
Philadelphia	640,179	155,086	24½
Totals	1,499,402	$479,130	26⅔

1887.

	Weight.	Value.	Average Value per Lb.
	Lbs.		*Cents.*
New York	405,361	$97,286	23 5-6
Boston	313,961	94,484	29½
Philadelphia	123,205	34,696	28 1-6
Totals	842,527	$224,466	26⅝

1891.

	Weight.	Value.	Average Value per Lb.
	Lbs.		*Cents.*
New York	341,032	$78,535	23
Boston	896,396	231,000	25 2-5
Philadelphia	443,171	129,157	29
Totals	1,680,599	$438,692	26

No. 17.—Imports from Bradford.

VALUE OF DECLARED EXPORTS FROM BRADFORD TO THE UNITED STATES, 1880 TO 1890, — YEAR ENDING SEPTEMBER 30.
REPORTS OF HON. JOHN A. TIBBITS, U. S. CONSUL.

ARTICLES.	1880.	1881.	1882.	1883.	1884.	1885.	1886.	1887.	1888.	1889.	1890.
	Dollars.	*Dollars.*	*Dollars.*	*Dollars.*	*Dollars.*	*Dollars.*	*Dollars.*	*Dollars.*	*Dollars.*	*Dollars.*	*Dollars.*
Camel's Hair Tops	904	1,501	628	59,732	72,153	222 520	174,390	227,468	219,757	333,003	446,275
Card Clothing	3,527	13,657	34,950	25,120	24,112	22,096	26,208	72,716	59.199	80,873	65,960
Carpets and Rugs	344,862	172,721	176,699	272,686	273,776	300,686	339,564	275,760	337,431	350,159	303,037
Cotton Goods	....	....	....	51,663	148,398	159,825	158,311	233,729	387,373	359,864	169,189
Cow and Calf Hair	1,049	11,202	1,953	1,191	....	22,422	8,264	10,501	31,387	64,716	65,891
Hair Cloths	....	....	33,394	120,709	41,203	45,989	53,154	30,598	17,900	18,807	12,127
Hemp Bagging	....	....	....	....	4,293	37,651	43,411	43,798	14,298	720	394
Machinery	375,577	168,145	118,543	207,298	473,578	435,296	443,524	437,621	278,244	474,110	468,796
Mohair Goat's Hair	....	5,082	34,874	28,191	181,545	56,054	78,638	96,284	44,132	128,755	223,071
Noils	36,176	10,805	65,432	39,451	25,937	19,874	120,347	140,948	55,209	166,301	114,042
Shawls, etc.	22.009	39.418	34,250	11,450	24,042	26,406	21,927	13,203	6,660	12,513	16,441
Shoddy	7,354	1,014	....	....	....	....	....	....	1,015	29,195	7,724
Silk, Silk Seals, Plushes, etc.	82,298	76,512	51,191	54,188	442,961	687,519	1,212,880	1,510,585	2,699,887	1,819,920	2,244.311
Silk Waste	....	....	....	37,372	21,461	88,112	69,184	36,623	21,916	18,312	19,590
Stuff Goods	6,558,302	5,744,162	6,178,844	6,239,074	6,146,284	5,456,946	6,927,715	6,695,060	6,712,593	7,785,879	10,601,794
Tapestry Damasks, etc.	....	....	11,916	13,330	21,784	15,799	21,364	19,224	25,493	14,273	20,357
Waste (Worsted)	43,861	104,607	204,522	386,500	139,765	134,948	333,678	541,007	402,264	1,231,272	445,152
Wool	1,379 727	1,089,909	188,289	886,988	1,521,657	1,612,947	1,776,854	1,347,191	959,908	1,291,363	1,338,061
Woollen Goods	168,834	185,208	154,785	245,953	204,228	181,748	295,502	432,357	505,923	265,186	271,775
Worsted Coatings	234,786	166,303	579,266	1,603,011	2,669,230	3,012,100	4,137,525	3,324,977	5,172,551	6,566.164	5,310,107
Yarns (Worsted)	187,788	96,421	112,132	312,675	....	584,761	1,626,453	590,526	661,572	758,824	914,123
Yarns (Mohair)				....	64.811	145,600	136.709	114,069	130,549	42,805	174,779
Yarns (Other)				....	332,214	101,569	118,095	120,318	115,970	147,390	120,453
	9,447,054	7,886,667	7,981,668	10,596,182	12,833,432	13,370,850	18,123,692	16,314,563	18,861,231	21,960,404	23,353,449

NOTE.—Government rate of exchange, $4.8665 = 1 pound sterling.

No. 18.—Comparative Statement of the Exports from Bradford, England, to the United States, of the Principal Textile Fabrics and Worsted and Mohair Yarns.

REPORTS OF UNITED STATES CONSUL JOHN H. TIBBITS.

MONTHS.	Stuffs.		Worsted Coatings.		Woolen Goods.		Carpets and Rugs.		Silks, Seals, and Plushes.		Cotton Goods.		Worsted and Mohair Yarns.		Total.	
	1890.	1889.	1890.	1889.	1890.	1889.	1890.	1889.	1890.	1889.	1890.	1889.	1890.	1889.	1890.	1889.
	£	£	£	£	£	£	£	£	£	£	£	£	£	£	£	£
October	89,612	135,016	54,733	148,921	2,030	2,196	947	3,769	1,208	27,403	1,518	2,349	1,655	14,245	150,703	333,899
November	51,749	149,982	24,775	122,151	572	2,884	987	3,015	8,251	40,018	1,902	4,181	1,538	15,665	89,774	337,896
December	81,556	204,963	28,214	101,401	1,581	3,745	1,054	2,261	5,289	28,364	3,665	3,408	3,341	12,940	124,700	357,082
	1891.	1890.	1891.	1890.	1891.	1890.	1891.	1890.	1891.	1890.	1891.	1890.	1891.	1890.	1891.	1890.
January	78,561	208,539	28,240	72,635	1,545	1,551	1,789	5,492	6,306	25,218	5,088	3,542	3,880	8,903	125,409	325,880
February	72,117	193,598	23,865	55,216	1,364	2,011	4,083	10,788	7,215	22,818	10,136	3,102	3,802	5,166	122,582	292,699
March	74,815	142,041	34,930	37,497	2,472	2,813	3,912	3,122	2,607	24,624	6,690	3,034	2,929	7,426	128,355	220,557
April	56,166	129,145	39,367	80,669	3,433	5,168	995	4,572	1,661	34,970	6,084	3,258	5,144	11,290	112,850	269,072
May	66,456	180,359	42,846	87,608	3,476	8,156	627	1,825	1,868	62,137	4,465	2,727	3,899	16,393	123,637	359,205
June	110,324	250,597	47,690	79,240	2,737	9,550	691	3,844	2,233	77,982	5,605	4,166	3,103	24,340	172,383	449,718
July	95,260	203,706	56,140	76,993	2,112	8,003	4,541	7,475	7,063	54,225	6,635	1,093	4,198	29,826	175,949	381,321
August	88,828	107,245	52,505	81,649	1,717	3,925	2,802	7,992	2,080	29,592	7,225	1,845	4,369	20,319	159,526	252,567
September	92,463	273,334	85,120	147,173	1,341	5,843	1,958	8,115	2,139	33,825	8,063	2,060	3,770	21,325	194,857	491,675
Total, 12 months	957,907	2,178,524	518,425	1,091,153	24,380	55,845	24,386	62,270	47,920	461,176	67,076	34,765	41,628	187,838	1,681,725	4,071,571

No. 19.—Imports of Wool Manufactures entered for Consumption, 1867-91.

Years.	No. 19. Belts or Felts. For Printing Machines.			No. 20. Blankets.			No. 21. Bunting.			No. 22. Carpets of all Kinds.		
	Quantities.	Values.	Duties.	Quantities.	Values.	Duties.	Quantities.	Values.	Duties.	Quantities.	Values.	Duties.
	Pounds.	*Dollars.*	*Dollars.*	*Pounds.*	*Dollars.*	*Dollars.*	*Sqr. yds.*	*Dollars.*	*Dollars.*	*Sqr. yds.*	*Dollars.*	*Dollars.*
1867 . .	130,755	149,368	75,280	948,349	280,299	209,004	. . . . .	. . . . .	. . . . .	833,867	3,743,125	2,002,010
1868 . .	91,882	92,465	50,739	55,006	29,260	25,228	38,858	12,565	10,926	2,008,421	3,516,469	2,224,875
1869 . .	102,593	97,221	54,546	19,228	12,174	10,934	43,038	9,429	11,908	2,231,788	4,085,558	2,659,379
1870 . .	101,045	95,801	53,739	1,907	1,320	1,124	12,161	2,684	3,372	3,648,469	4,129,207	2,675,996
1871 . .	100,928	95,572	53,636	24,280	19,427	17,293	17,200	4,167	4,898	4,645,331	4,932,089	3,320,284
1872 . .	115,080	114,348	63,038	33,098	28,613	24,874	24,897	7,043	7,445	4,797,579	5,514,279	3,535,691
1873 . .	135,746	147,589	72,235	7,375	10,373	6,367	16,464	5,223	4,609	4,083,062	4,948,335	2,790,293
1874 . .	129,261	134,883	65,755	5,665	5,391	3,865	12,896	3,672	3,478	3,232,256	3,948,176	2,224,389
1875 . .	126,410	126,394	63,883	9,993	10,875	8,451	6,698	1,862	1,867	2,335,581	2,928,503	1,653,370
1876 . .	97,284	106,249	56,644	8,488	5,598	5,034	10,840	2,646	3,094	1,139,251	1,689,910	1,001,627
1877 . .	97,439	90,566	51,186	11,907	6,441	5,781	8,946	2,159	2,545	660,461	1,050,057	617,229
1878 . .	103,205	93,839	53,485	1,187	838	695	2,066	425	562	332,495	654,224	363,691
1879 . .	103,110	90,696	52,366	2,417	1,454	1,234	818	198	233	234,170	595,242	318,333
1880 . .	183,064	144,872	87,318	2,001	1,239	1,090	585	136	165	1,121,596	1,313,352	838,805
1881 . .	145,239	123,065	72,121	2,135	1,955	1,492	60	28	22	867,865	1,400,063	817,068
1882 . .	141,772	127,969	73,144	13,089	8,877	6,865	528	110	144	719,126	1,257,234	672,117
1883 . .	151,255	139,749	79,163	4,627	2,885	2,486	106	39	35	737,985	1,225,156	659,114
1884 . .	159,029	150,211	76,869	100,174	119,008	82,226	. . . . .	. . . . .	. . . . .	679,708	1,517,081	736,040
1885 . .	151,904	139,607	72,263	6,186	2,869	1,987	13	8	4	688,893	1,173,252	575,665
1886 . .	144,412	127,956	67,269	13,657	6,558	4,544	220	52	40	824,565	1,329,341	659,875
1887 . .	191,144	167,166	88,379	7,570	3,887	2,785	242	53	43	735,079	1,472,656	701,549
1888 . .	181,260	158,855	83,909	15,599	7,235	5,049	6	4	2	723,728	1,371,399	651,386
1889 . .	211,614	182,837	97,174	26,634	16,934	11,810	14	13	6	635,029	1,478,134	684,512
1890 . .	219,876	196,000	102,775	19,522	9,551	6,795	2	1	1	593,010	1,759,508	790,754
1891 . .	119,822	118,184	80,654	39,860	26,492	21,983	5	6	3	601,827	1,564,890	829,064

Imports of Wool Manufactures, 1867-91. — *Continued.*

Years.	No. 23. Clothing.			No. 24. Cloths.			No. 25. Flannels.		
	Quantities.	Values.	Duties.	Quantities.	Values.	Duties.	Quantities.	Values.	Duties.
	Pounds.	*Dollars.*	*Dollars.*	*Pounds.*	*Dollars.*	*Dollars.*	*Pounds.*	*Dollars.*	*Dollars.*
1867	102,721	206,930	116,067	8,883,527	10,545,096	6,500,095	104,393	316,273	164,005
1868	420,932	1,546,307	827,089	4,523,376	6,883,957	4,602,678	24,713	19,699	13,383
1809	964,804	1,864,177	1,227,935	4,335,371	6,222,924	4,332,739	10,628	10,058	11,395
1870	535,470	1,995,879	1,065,995	4,374,094	6,412,503	4,430,437	9,920	12,004	8,934
1871	617,456	2,240,600	1,208,568	6,429,297	9,187,365	6,430,226	6,021	7,120	5,075
1872	188,320	841,420	430,728	8,958,512	12,887,288	8,989,807	5,215	7,338	4,971
1873	187,335	899,573	409,060	11,021,905	16,635,680	10,217,402	17,778	27,587	16,434
1874	210,817	869,845	408,012	8,928,285	13,598,446	8,301,243	13,032	26,158	14,070
1875	209,548	809,019	392,335	7,527,789	11,696,091	7,163,119	11,958	22,247	12,299
1870	255,646	815,260	453,002	5,765,800	8,904,434	5,980,211	1,567	1,852	1,376
1877	166,099	528,953	294,630	3,864,720	5,737,571	3,940,356	1,533	2,105	1,495
1878	205,898	691,251	379,449	4,005,773	4,657,782	3,983,087	1,468	2,696	1,051
1879	214,883	613,992	353,038	4,054,199	5,623,806	3,995,432	12,307	8,427	7,289
1880	258,943	779,006	441,074	6,362,235	8,415,215	6,120,443	3,218	3,083	2,435
1881	367,415	1,008,210	586,992	7,056,921	9,376,038	6,810,074	25,456	17,629	16,241
1882	522,175	1,159,867	725,034	8,053,892	10,487,060	7,697,417	16,389	14,424	11,447
1883	712,364	1,427,457	927,165	8,220,025	10,806,324	7,892,226	141,545	178,545	132,307
1884	1,368,814	2,368,259	1,493,329	10,629,962	13,216,658	8,995,001	270,091	305,825	206,532
1885	1,236,988	1,803,701	1,226,610	8,014,205	10,080,981	6,826,672	77,767	67,123	47,531
1886	858,887	1,422,660	909,248	7,981,016	9,464,358	6,563,415	50,460	47,903	34,589
1887	806,546	1,401,243	896,472	8,807,203	10,022,371	7,055,825	219,334	185,203	129,674
1888	707,847	1,400,761	820,376	9,817,413	10,851,416	7,723,012	900,851	659,441	460,178
1889	903,662	1,914,200	1,103,085	8,607,231	9,257,732	6,659,385	1,411,738	1,130,659	795,870
1890	809,061	1,800,347	1,010,134	10,380,128	15,567,244	11,702,133	1,368,479	1,245,262	854,813
1891	984,358	4,833,488	3,408,579	12,664,147	12,563,738	10,537,969	419,265	401,607	295,293

Imports of Wool Manufactures, 1867-91. — *Continued.*

Years.	No. 26. Dress Goods.									Total.	
	Part wool or worsted, not exceeding 4 oz. per sq. yd.	Values.	Duties.	All wool or worsted, not exceeding 4 oz. per sq. yd.	Values.	Duties.	Weighing over 4 ozs. per sqr. yd.	Values.	Duties.	Values.	Duties.
	Sqr. Yds.	*Dollars.*	*Dollars.*	*Sqr. Yds.*	*Dollars.*	*Dollars.*	*Pounds.*	*Dollars.*	*Dollars.*	*Dollars.*	*Dollars.*
1867	68,451,530	20,218,259	9,988,359	. . . . .	. . . . .	. . . . .	110,873	138,376	103,868	20,356,635	10,092,227
1868	63,963,306	15,259,519	10,358,135	. . . . .	. . . . .	. . . . .	864,153	1,608,843	995,171	16,868,362	11,353,306
1869	64,602,027	16,059,426	10,685,145	. . . . .	. . . . .	. . . . .	1,220,510	2,221,064	1,387,627	18,280,490	12,072,772
1870	63,031,939	15,524,863	10,432,529	. . . . .	. . . . .	. . . . .	1,233,365	2,520,119	1,498,724	18,044,982	11,931,253
1871	72,714,174	17,879,233	11,913,058	. . . . .	. . . . .	. . . . .	2,290,253	3,772,190	2,465,393	21,651,423	14,378,451
1872	71,454,207	19,591,144	12,713,060	. . . . .	. . . . .	. . . . .	2,744,760	4,480,688	2,940,621	24,071,832	15,653,681
1873	69,608,933	20,076,437	11,699,017	. . . . .	. . . . .	. . . . .	1,711,987	3,043,005	1,733,079	23,119,433	13,432,096
1874	69,443,594	20,476,366	11,902,134	. . . . .	. . . . .	. . . . .	1,137,814	1,887,393	1,106,545	22,363,759	13,008,679
1875	73,536,000	20,154,341	12,153,076	. . . . .	. . . . .	. . . . .	1,234,825	2,175,677	1,263,044	22,330,018	13,416,120
1876	56,219,421	14,817,439	9,750,944	. . . . .	. . . . .	. . . . .	1,129,155	1,737,661	1,170,105	16,555,100	10,921,049
1877	50,247,717	12,898,076	8,627,738	. . . . .	. . . . .	. . . . .	749,536	1,213,767	799,566	14,111,843	9,427,304
1878	50,295,594	12,473,621	8,383,168	. . . . .	. . . . .	. . . . .	1,014,341	1,690,509	1,098,849	14,164,130	9,482,017
1879	51,570,505	12,810,107	8,625,362	. . . . .	. . . . .	. . . . .	959,523	1,555,148	1,024,063	14,365,255	9,650,025
1880	64,043,782	14,852,843	10,190,741	. . . . .	. . . . .	. . . . .	1,108,820	1,899,225	1,219,138	16,752,068	11,409,879
1881	57,926,108	13,952,721	9,459,631	. . . . .	. . . . .	. . . . .	1,143,021	2,008,345	1,274,431	15,961,066	10,734,062
1882	67,282,415	16,241,150	10,983,966	. . . . .	. . . . .	. . . . .	1,872,656	2,829,667	1,926,712	19,070,817	12,910,678
1883	87,114,520	19,789,123	13,601,675	. . . . .	. . . . .	. . . . .	1,914,088	2,829,983	1,947,538	22,619,106	15,549,213
1884	30,097,587	5,708,655	3,749,904	26,023,603	6,649,295	5,001,842	2,168,522	2,991,147	1,955,442	15,349,097	10,707,188
1885	27,288,709	5,034,197	3,306,313	27,000,379	6,479,491	5,021,831	2,025,680	2,684,299	1,782,708	14,197,987	10,110,851
1886	33,505,580	6,573,136	4,266,299	25,200,570	5,377,092	4,418,888	2,430,020	3,021,049	2,058,927	14 971,278	10,744,114
1887	36,630,272	7,657,371	4,883,763	31,136,149	6,522,569	5,411,281	2,560,716	3,019,201	2,103,931	17,199,141	12,398,975
1888	37,923,579	7,849,945	5,018,385	38,323,471	7,886,013	6,603,518	2,603,653	3,006,535	2,113,893	18,742,493	13,735,796
1889	44,549,136	9,288,428	5,960,810	40,776,262	8,110,010	6,913,868	2,232,037	2,394,815	1,739,139	19,793,253	14,613,817
1890	58,027,715	11,629,053	7,513,989	41,427,446	8,393,149	7,085,730	2,379,408	2,646,091	1,891,229	22,668,293	16,490,948
1891	36,560,141	6,847,540	4,858,393	44,427,869	9,370,156	8,970,405	3,061,709	3,342,287	2,787,205	19,559,983	16,616,303

Imports of Wool Manufactures, 1867-91. — *Continued.*

Years.	No. 27. Hats (Wool).			No. 28. Knit Goods.			No. 29. Rags, Shoddy, etc., etc.			No. 30. Shawls.		
	Quantities.	Values.	Duties.	Quantities.	Values.	Duties.	Quantities.	Values.	Duties.	Quantities.	Values.	Duties.
	Pounds.	*Dollars.*	*Dollars.*	*Pounds.*	*Dollars.*	*Dollars.*	*Pounds.*	*Dollars.*	*Dollars.*	*Pounds.*	*Dollars.*	*Dollars.*
1867 . .	46,977	50,808	37,366	394,744	902,887	360,160	5,561,789	535,406	192,499	149,010	327,140	183,163
1868 . .	63,761	128,200	76,238	245,841	622,906	332,409	619,916	99,590	75,372	109,150	313,651	164,778
1869 . .	56,090	98,186	62,311	295,092	568,500	336,065	574,579	63,334	68,949	41,857	139,904	69,895
1870 . .	50,290	84,449	54,586	400,955	719,727	449,016	738,541	68,357	88,625	66,392	226,610	112,509
1871 . .	70,425	131,280	81,008	253,503	558,785	321,755	1,375,505	91,249	165,061	104,937	281,669	151,053
1872 . .	53,656	97,171	60,777	267,392	597,502	342,324	2,092,057	245,190	251,531	873,782	3,069,737	1,644,917
1873 . .	36,006	69,531	37,609	247,141	602,063	301,056	2,022,858	214,340	220,316	804,967	2,755,918	1,341,216
1874 . .	23,545	45,792	24,563	251,247	569,336	291,765	1,920,098	166,049	207,386	682,527	2,263,663	1,110,150
1875 . .	12,688	22,348	12,546	290,036	685,469	348,830	1,459,222	158,588	158,542	662,912	2,189,848	1,090,326
1876 . .	8,848	13,642	8,726	274,254	676,270	373,567	282,629	53,494	33,534	448,519	1,510,731	836,192
1877 . .	8,202	10,226	7,354	250,253	611,988	339,276	201,490	36,128	24,195	420,645	1,260,348	706,404
1878 . .	6,581	9,342	5,937	202,348	527,116	288,146	133,926	23,831	16,071	466,855	1,301,027	743,931
1879 . .	4,232	8,457	4,650	17,231	393,797	222,607	111,840	25,781	13,421	479,306	1,292,479	749,899
1880 . .	4,368	7,272	4,481	277,039	597,364	347,408	1,289,146	280,903	154,698	492,989	1,272,527	749,767
1881 . .	521	995	599	461,768	1,006,243	583,056	543,117	160,498	65,174	438,085	1,176,198	683,918
1882 . .	3,079	3,574	2,423	450,881	952,328	558,630	971,621	342,071	110,115	412,592	1,071,667	627,945
1883 . .	1,819	4,019	2,316	396,721	1,092,560	580,737	971,401	423,120	116,569	520,779	1,195,688	613,194
1884 . .	11,209	14,320	8,994	1,091,107	2,095,174	1,205,601	1,225,360	533,739	122,536	399,057	747,859	438,681
1885 . .	1,072	2,364	1,154	1,167,524	2,113,952	1,241,729	789,040	323,522	78,904	586,759	1,057,865	616,674
1886 . .	11,070	12,331	7,853	1,174,853	1,930,389	1,170,034	2,696,517	919,771	269,652	694,035	1,043,927	648,184
1887 . .	3,273	6,595	3,562	1,331,828	1,980,454	1,243,689	4,902,381	1,855,618	490,238	727,887	1,029,998	654,008
1888 . .	12,624	14,002	8,308	1,114,517	1,738,249	1,071,631	4,057,731	1,576,013	405,773	727,947	975,564	632,410
1889 . .	20,178	16,302	11,147	1,220,281	1,795,156	1,133,176	8,478,984	3,339,480	847,898	711,910	902,229	597,661
1890 . .	10,824	7,744	5,236	1,429,250	1,932,471	1,242,656	584,172	226,106	58,417	734,013	960,470	628,043
1891 . .	26,063	17,831	12,511	892,425	1,196,159	779,099	1,518,429	560,007	206,527	509,443	697,588	509,162

Imports of Wool Manufactures, 1867-91. — *Concluded.*

Years.	No. 31. Webbing, etc.			No. 32. Yarns (Woolen and Worsted.)			No. 33. All other Manufactures.		
	Quantities.	Values.	Duties.	Quantities.	Values.	Duties.	Quantities.	Values.	Duties.
	Pounds.	*Dollars.*	*Dollars.*	*Pounds.*	*Dollars.*	*Dollars.*	*Pounds.*	*Dollars.*	*Dollars.*
1867	98,892	166,616	129,754	432,399	527,566	278,493	244,448	294,910	220,881
1868	376,004	742,113	559,058	529,477	655,808	488,485	1,224,669	1,312,564	1,052,710
1869	182,714	356,918	269,816	472,437	543,368	422,511	1,818,736	2,238,295	1,686,921
1870	144,141	227,333	185,737	228,625	242,497	198,244	2,307,383	2,831,886	2,132,607
1871	174,153	282,942	228,548	266,756	284,793	231,874	2,798,924	3,113,657	2,448,738
1872	120,119	304,151	212,135	255,507	281,899	224,791	1,307,144	1,666,023	1,214,765
1873	155,356	523,388	306,615	317,832	413,955	273,120	1,260,611	2,032,617	1,205,306
1874	303,812	1,056,240	642,024	290,582	372,643	247,546	1,387,299	2,242,152	1,325,831
1875	558,046	1,687,613	1,044,054	335,460	416,824	283,990	1,796,315	2,538,209	1,629,462
1876	453,179	1,388,377	920,569	342,495	439,350	323,056	1,708,595	2,208,186	1,599,300
1877	352,851	883,115	617,983	336,669	400,044	308,301	1,331,915	1,687,576	1,232,686
1878	333,206	805,893	569,550	463,172	546,628	422,294	925,689	1,222,289	864,104
1879	173,302	450,193	311,747	509,098	590,124	460,726	759,268	977,233	698,055
1880	184,721	455,814	320,267	635,755	705,062	557,387	940,913	1,096,046	814,286
1881	119,566	327,321	223,444	476,783	540,097	424,901	1,458,657	1,978,874	1,386,542
1882	169,389	462,711	316,050	364,704	416,008	325,950	1,506,770	1,906,335	1,357,033
1883	228,560	639,523	434,042	418,301	433,363	350,967	1,904,648	2,362,078	1,704,434
1884	184,609	459,207	284,986	1,440,063	1,048,743	725,351	3,480,214	3,551,302	2,389,367
1885	266,315	470,597	315,343	896,435	676,512	468,462	4,290,544	4,065,989	2,711,029
1886	398,129	616,874	427,876	4,090,787	2,283,176	1,565,569	7,252,567	6,356,083	4,204,028
1887	239,817	443,809	293,850	2,948,661	1,747,562	1,207,735	8,108,796	6,656,449	4,560,905
1888	357,021	632,987	423,600	3,444,640	1,990,154	1,362,293	9,077,016	7,039,342	4,829,328
1889	363,825	749,997	484,146	3,834,773	2,204,053	1,502,514	12,891,182	9,893,895	6,831,127
1890	303,507	535,971	359,038	3,229,778	1,844,849	1,270,087	3,615,440	3,599,769	2,478,010
1891	212,326	370,139	300,577	2,557,139	1,505,755	1,141,557	2,271,933	2,373,909	1,797,525

No. 34.—Imports of Wool and Manufactures of Wool, Calendar Years 1890 and 1891.

United States Bureau of Statistics.

ARTICLES.	Quantities.		Values.	
	1891.	1890.	1891.	1890.
Wools, Hair of the Camel, Goat, Alpaca, and other like animals.				
Unmanufactured:	*lbs.*	*lbs.*		
Class one	36,854,275	19,381,594	$7,746,015	$4,496,737
Class two	6,079,033	6,235,461	1,434,662	1,478,758
Class three	96,384,263	83,063,572	9,617,725	9,508,431
Total	139,317,571	108,680,672	$18,798,402	$15,483,926
Manufactures of —	*sq. yds.*	*sq. yds.*		
Carpets and carpeting,	639,506	578,764	$1,423,577	$873,808
Clothing, ready-made, and other wearing apparel, except shawls and knit goods	. . . . .	. . . . .	1,730,487	1,760,789
	lbs.	*lbs.*		
Cloths	11,886,716	14,686,866	11,489,972	14,695,955
Dress goods, women's and children's	*sq. yds.* 70,688,144	*sq. yds.* 119,448,203	15,190,683	24,641,255
Knit fabrics	. . . . .	. . . . .	1,022,548	1,800,395
Rags, mungo, flocks, noils, shoddy, and wastes	*lbs.* 215,714	*lbs.* 3,062,941	58,627	1,235,772
Shawls	. . . . .	. . . . .	567,813	900,420
Yarns	1,162,261	3,219,836	739,060	1,807,245
All other	. . . . .	. . . . .	1,787,776	6,183,275
Total	. . . . .	. . . . .	$34,010,543	$53,898,914

These are gross imports, and differ from the preceding tables of imports entered for consumption.

No. 35.—Manufactures of Wool Imported from Principal European Countries, Value of. 1821-1891. Gross Imports.

U. S. Treasury, Bureau of Statistics.

Years ending	Great Britain and Ireland.	France.	Germany.	Netherlands.	Belgium.	Total Imports.
Sept. 30 —	*Dollars.*	*Dollars.*	*Dollars.*	*Dollars.*	*Dollars.*	*Dollars.*
1821	6,950,403	89,335	81,061	57,315	. . . . .	7,238,954
1822	11,384,003	204,418	43,006	82,991	. . . . .	11,752,595
1823	7,711,311	90,250	63,313	50,712	. . . . .	7,953,433
1824	7,778,873	126,303	117,730	74,627	. . . . .	8,124,687
1825	11,335,884	341,448	153,522	97,860	. . . . .	12,017,468
1826	7,780,272	464,817	230,137	95,074	. . . . .	8,657,424
1827	8,146,332	499,102	88,623	42,115	. . . . .	8,866,226
1828	8,025,677	592,014	107,157	49,976	. . . . .	8,842,389
1829	6,380,844	608,018	125,356	61,637	. . . . .	7,193,653
1830	5,218,283	522,511	97,307	49,185	. . . . .	5,900,988
1831	11,656,322	1,214,628	249,006	44,889	. . . . .	13,197,364
1832	9,434,176	790,484	140,965	25,745	. . . . .	10,440,490
1833	12,241,725	1,148,113	179,789	76,517	29,052	13,713,141
1834	6,946,935	336,864	82,515	18,781	19,170	7,444,035
1835	16,667,993	1,996,782	318,542	106,067	22,120	19,151,950
1836	20,295,069	3,541,592	590,897	87,561	85,382	24,637,881
1837	7,668,569	2,251,331	372,292	30,974	59,703	10,410,782
1838	10,191,732	2,412,363	417,856	24,133	26,817	13,130,956
1839	15,460,624	4,428,108	969,014	30,539	87,398	21,024,427
1840	7,851,329	2,533,227	298,082	11,870	93,637	10,808,485
1841	9,250,231	3,357,091	148,924	3,828	141,740	12,943,883
1842	6,436,478	2,836,687	198,596	1,180	205,906	9,689,648
June 30 —						
1843*	1,993,076	842,594	39,197	903	66,797	2,971,456
1844	7,861,601	3,228,040	184,064	9,896	356,435	11,751,971
1845	8,318,614	4,496,378	295,505	5,804	279,308	13,578,352
1846	6,498,713	5,436,553	466,818	26,969	311,323	12,778,854
1847	7,290,471	5,257,105	709,600	8,210	356,775	13,664,102
1848	10,222,459	6,386,365	1,321,685	22,132	410,874	18,405,461
1849	9,755,534	4,542,066	1,494,084	24,922	930,975	16,779,501
1850	12,229,042	4,666,681	1,681,676	75,249	944,759	19,620,619
1851	15,511,351	4,374,493	1,878,806	12,336	496,609	22,358,879
1852	14,303,266	4,098,866	1,698,299	16,933	476,445	20,611,286
1853	22,012,887	5,648,985	3,494,723	13,033	610,745	31,819,771
1854	26,127,308	5,742,374	4,996,269	27,342	611,668	37,904,473
1855	17,599,507	5,336,176	3,419,626	30,717	774,950	27,754,372
1856	21,756,266	7,913,417	4,673,920	16,011	694,080	35,582,712
1857	21,631,678	7,759,592	4,535,118	36,912	1,029,480	35,289,345
1858	17,714,424	5,750,608	4,636,212	47,201	1,151,037	29,534,655
1859	24,549,811	5,703,378	6,275,671	23,837	435,141	37,295,594
1860	29,202,264	6,237,268	6,873,562	6,128	328,297	43,141,988
1861	21,244,012	3,698,126	4,747,714	12,105	321,121	30,430,140
1862	11,824,359	603,047	2,894,753	14,696	143,963	15,639,913
1863	16,571,739	1,146,717	3,406,525	11,661	281,236	21,524,802
1864	27,859,732	583,483	4,007,704	742	311,871	33,349,702
1865	17,212,125	701,697	2,774,269	5,822	112,530	21,929,487
1866	47,340,242	2,141,502	8,435,045	8,441	227,063	58,719,754
1867	34,467,054	4,388,373	7,293,944	6,198	260,440	46,502,952
1868	24 359,155	2,887,439	4,622,855	1,848	512,774	32,489,342
1869	27,965,650	3,584,026	4,237,388	4,375	85,453	36,077,875
1870	25,537,324	5,465,222	5,404,945	13	2,581	37,064,001
1871	38 453,099	3,057,204	4,460,731	33,271	157,495	46,713,767
1872	40,290,136	6,199,468	8,668,263	41	84,306	55,561,850

* Nine months.

Manufactures of Wool Imported, etc., — *concluded.*

U. S. Treasury, Bureau of Statistics.

Years ending	Great Britain and Ireland.	France.	Germany.	Netherlands.	Belgium.	Total Imports.
June 30 —	*Dollars.*	*Dollars.*	*Dollars.*	*Dollars.*	*Dollars.*	*Dollars.*
1873	38,845,244	4,071,833	10,120,371	7,362	79,093	53,510,560
1874	31,332,534	9,571,305	7,218,899	3,781	429,237	48,826,816
1875	27,689,119	11,863,486	6,176,837	14,962	442,829	46,348,545
1876	20,490,992	8,735,950	1,882,703	76,471	482,816	34,859,506
1877	14,180,611	7,852,530	4,197,162	165,897	327,842	26,911,873
1878	14,305,797	7,206,015	4,477,894	179,209	223,562	26,505,573
1879	12,447,843	8,769,836	3,704,286	247,393	236,488	25,527,117
1880	19,741,060	9,696,716	4,834,315	492,464	441,070	35,356,992
1881	17,125,936	8,727,900	5,529,430	593,061	808,473	32,970,307
1882	19,304,355	10,938,105	5,998,426	464,219	1,614,946	38,726,925
1883	19,850,218	15,972,196	6,879,471	366,567	1,863,554	45,457,307
1884	19,299,351	11,071,945	9,654,420	7,732	474,995	41,157,583
1885	16,596,096	9,472,430	8,891,239	6,835	309,465	35,776,559
1886	21,692,001	9,977,444	8,722,643	14,388	432,966	41,421,319
1887	21,986,452	11,280,890	10,206,151	7,724	522,681	44,904,816
1888	23,830,951	11,498,901	10,792,403	7,455	680,054	47,719,393
1889	28,217,436	12,102,032	10,761,980	3,976	652,694	52,564,942
1890	29,107,893	13,472,462	12,318,783	7,006	755,966	56,582,432
1891	19,492,661	9,913,983	9,830,013	7,271	590,185	41,060,080

The total value includes the importations of woolen goods, small in value, from all other countries.

No. 36. — United States Standard Wool Samples.

Now in Use in the Custom Houses. Prepared by Geo. Wm. Bond, 1883.

Class 1. — Clothing Wools.

1. South Africa, Cape Fleece.
2. " " Natal.
3. " " Cape, unwashed.
4. " " Cape Skin.
5. Algiers.
6. Constantine.
7. Oran.
8. Morocco . . Larrache.
9. " . . Beldia.
10. " . . Urdigria.
11. Spain . . . . Talavera.
12. " . . . . Navarre.
13. Chile . . . . Merino.
14. Australia . . Port Philip, lambs.
15. " . . do., crossbred, washed.
16. " . . do., washed.
17. " . . Noils.
18. " . . Port Philip, washed.
19. " . . do., fleece.
20. " . . Port Philip, scoured.
21. New Zealand, Matchings.
22. New Zealand.
23. " " Mestiza.
24. " " Crossbred.
25. Argentine Republic . . Entre Rios Matchings.
26. Argentine Republic . . Buenos Ayres Skin.
27. Uruguay.
28. Argentine Republic . . Lincoln.
29. Argentine Republic . . Mestiza.
30. Germany . . Saxony.
31. Turkey . . . Galatz, Sigay.
32. " . . . Varna, do.
33. " . . . Adrianople.
34. Wales.
35. Brazil . . . . Mestiza.
36. Italy . . . . Pulled.
37. " . . . . do.
38. Africa . . . Bengazi.

United States Standard Wool Samples. — *Concluded.*

Class 2. — Combing Wools.

39.	England	Wiltshire Downs.	49.	Canada	Pulled Combing.
40.	"	Dorset Horns.	50.	"	Fleece.
41.	"	Stafford.	51.	Ireland.	
42.	"	Shropshire.	52.	Scotland	Cheviot.
43.	"	Lincoln.	53.	China	Cashmere.
44.	"	Yorkshire.	54.	East India	do.
45.	"	Sussex Downs.	55.	Turkey	Mohair.
46.	"	Leicester.	56.	"	do., Noils.
47.	"	Medium Downs.	57.	Peru	Vicunia.
48.	"	Best Downs.	58.	"	Alpaca.

Class 3. — Carpet Wools.

61.	Italy	Coarse Pulled.	89.	Turkey	Erzeroum.
62.	Persia	Bagdad.	90.	"	Salonica.
63.	"	Karadi.	91.	"	Kaassbatchi.
64.	"	Aleppo.	92.	Greece.	
65.	"	Caracach.	93.	Austria	Zachel.
66.	"	Mossoul.	94.		
67.	"	Bagdad.	95.	Portugal	Oporto.
68.	"	Bokhara.	96.	Tarakama.	
69.	"	Khorasau.	97.	England	Herdwick.
70.	"	Noils.	98.	Scotland	Unwashed Highland.
71.	East India	Marwar.			
72.	" "	Vicaneer.	99.	"	Washed Highland.
73.	" "	Pathan.			
74.	" "	Kandahar.	100.	"	Laid Highlaud.
75.	" "	Joria.	101.	"	Haslock.
76.	" "	Native.	102.	"	Haslock, pulled in England.
77.		Georgia, B. O.			
78.		Georgia, B. S., 1st and 2d clip.	103.	Argentine Republic	Cordova.
79.		Georgia, B., 1st and 2d clip.	104.	Argentine Republic	Entre Rios, Criolla.
80.		Georgia, G. C., 1st and 2d clip.	105.	Brazil	Rio Grande, Criolla.
81.		Georgia, lambs.	106.	Chili	Valparaiso.
82.		Nouka.	107.	China.	
83.	Russia	Donskoi.	108.	"	
84.	"	do., noils.	109.	Spain	Churro or Coarse.
85.	"	Kalmuc.	110.	Egypt.	
86.	Turkey	Limed, Smyrna.	111.	Iceland.	
87.	"	Fine, do.			
88.	"	Angora.			

Note. — A Commission, consisting of Edward A. Greene, John T. Rich, Nicholas Mauger, and J. L. Houston, is now engaged in revising the Standard Samples.

No. 37.—Comparative Consumption of Wool in the United States.

Year.	Imports of Wool.	Home Production of Wool Preceding Year.	Total Imports and Home Production of Wool.	Imports of Wool Manufactures, allowing 3 lbs. of Wool to the $1 in value.	Total Consumption.	Per Capita Consumption of Wool.
	Pounds.	*Pounds.*	*Pounds.*	*Pounds.*	*Pounds.*	*Pounds.*
1840	9,898,740	35,802,114	45,700,854	31,095,276	76,796,130	$4\frac{4\,2}{1\,0\,0}$
1850	18,695,294	52,516,969	71,212,263	58,178,613	129,390,876	$5\frac{5\,8}{1\,0\,0}$
1860	26,282,955	60,264,913	86,547,868	128,497,923	215,045,791	$6\frac{8\,4}{1\,0\,0}$
1870	38,634,067	162,000,000	200,634,067	105,289,422	305,923,489	$7\frac{9\,3}{1\,0\,0}$
1880	99,372,440	232,500,000	331,872,440	95,503,641	427,376,081	$8\frac{5\,2}{1\,0\,0}$
1890	109,902,106	295,779,479	405,681,585	162,496,269	568,177,854	$9\frac{0\,7}{1\,0\,0}$

No. 38.—Census of American Wool Manufactures, 1840-1890.

Year.	Establishments.	Capital.	Materials.						
	Number of Establishments.	Capital Invested.	Pounds of Domestic Wool.	Pounds of Foreign Wool.	Total Pounds of Wool.	Pounds of Hair, noils, etc.	Pounds of Cotton.	Pounds of Shoddy.	Value of Raw Material.
1840	1,420	$15,765,124	. . . . .	. . . . .	. . . . .	. . . . .	. . . . .	. . . . .	. . . . .
1850	1,558	28,118,650	. . . . .	. . . . .	* 70,862,829	. . . . .	. . . . .	. . . . .	$25,755,991
1860	1,909	35,520,527	. . . . .	. . . . .	80,386,572	. . . . .	16,008,625	. . . . .	40,360,300
1870	3,208	121,520,827	168,084,414	46,288,814	214,373,228	. . . . .	21,038,877	19,384,404	124,318,792
1880	2,689	159,091,869	222,991,531	73,200,698	296,192,229	8,077,966	48,000,857	52,163,926	164,371,551
1890	2,770	320,417,304	258,757,101	114,116,612	372,873,713	26,691,812	75,638,865	61,626,261	203,095,642

*No division of foreign and domestic wool was given previous to 1870.

Year.	Machinery.					Hands Employed.				Wages.	Product.
	Cards.	Combing Machines.	Looms.	Spindles.	Knitting Machines.	Males.	Females.	Youths.	Total.	Annual Cost of Labor.	Total Products (value).
1840	. . . . .	. . . . .	. . . . .	. . . . .	. . . . .	. . . . .	. . . . .	. . . . .	21,342	. . . . .	$20,696,999
1850	. . . . .	. . . . .	. . . . .	. . . . .	. . . . .	22,678	16,574	. . . . .	39,252	. . . . .	43,207,545
1860	. . . . .	. . . . .	16,075	639,700	. . . . .	28,780	20,120	. . . . .	48,900	$10,927,877	68,865,963
1870	8,711	261	41,762	2,046,093	. . . . .	52,462	39,059	12,236	103,757	35,937,150	199,137,362
1880	7,581	518	57,530	2,254,996	14,769	75,459	66,814	19,284	161,557	47,389,087	267,252,913
1890	8,812	890	72,894	3,458,914	38,745	99,318	106,057	15,657	221,032	76,741,266	338,231,109

U. S. CENSUS STATISTICS OF WOOL MANUFACTURE — 1880 and 1890.

No. 39.—Comparative Statement of Increase.

General Heads.	1890.	1880.	Percentage of Increase.
Number of establishments reported	2,774	2,689	3.16
Capital invested	$320,443,804	$159,091,869	. . . . .
Number of hands employed	221,032	161,557	36.81
Wages paid	$76,741,266	$47,389,087	61.94
Miscellaneous expenses	$19,547,200	. . . . .	. . . . .
Cost of materials used	$203,095,642	$164,371,551	23.56
Value at factory of goods manufactured	$338,231,109	$267,252,913	26.56

"Capital invested" in 1890, includes all assets, many of which were not reported in 1880.

No. 40. — Geographical Distribution of Wool Machinery, 1870, 1880, and 1890.

States.	1870.		1880.		1890.	
	Number of Sets.	Per cent. of Total.	Number of Sets.	Per cent. of Total.	Number of Sets.	Per cent. of Total.
Total Sets	9,230	. . . . .	7,581	. . . . .	8,812	. . . . .
Massachusetts	1,512	16.5	1,660	21.9	1,972	22.4
Pennsylvania	1,468	15.9	1,155	15.2	1,415	16.1
New York	1,170	12.7	1,150	15.2	1,516	17.
Rhode Island	496	5.1	495	6.5	602	6.8
Connecticut	752	8.2	622	8.2	687	7.8
New Hampshire	418	4.6	385	5.1	503	5.7
Maine	335	3.6	274	3.6	412	4.7
New Jersey	111	1.2	184	2.4	243	2.8
Vermont	200	2.2	167	2.2	157	1.8
Ohio	334	3.6	182	2.4	130	1.5
Indiana	346	3.7	160	2.2	170	1.9
Illinois	251	2.8	109	1.4	77	1.
In twelve States (above)	7,393	80.1	6,543	86.3	7,884	89.5
All other States	1,837	19.9	1,038	13.7	928	10.5

Of the 261 combing-machines in operation in 1870, Massachusetts had 172, or 65.9 per cent.; Pennsylvania, 29, or 11.1 per cent.; and Rhode Island, 7, or 2.7 per cent. Massachusetts had in 1890, 29.8 per cent.; Pennsylvania, 24 per cent.; Rhode Island, 22 per cent.; and New York, 9.9 per cent. of the combing machinery. All other States but 15.3 per cent.

No. 41. — Capital, Labor and Wages, Cost of Materials, Value of Products, 1880 and 1890.

States.		Number Establishments.	Capital.			Labor and Wages.					Cost of Materials used.	Value of Products.
			Total.	Value of Land, Buildings, and Machinery.	Live Assets.	Average Number of Hands Employed.				Total Amount paid in Wages.		
						Total.	Males above 16 Years.	Females above 15 Years.	Children.			
U. States .	1890	2,867	$324,535,011	$155,643,212	$168,891,799	223,298	100,687	106,916	15,695	$77,581,525	$208,971,024	$345,942,824
	1880	2,689	159,091,869	. . . . .	. . . . .	162,839	76,154	67,310	19,375	47,789,413	164,371,551	267,252,913
Alabama .	1890	9	$113,098	$76,873	$36,225	428	36	142	250	$67,963	$114,890	$207,875
	1880	14	28,900	. . . . .	. . . . .	18	13	5	. . . .	3,037	49,361	63,745
Arkansas .	1890	7	42,435	36,800	5,635	31	16	12	3	6,231	27,980	38,360
	1880	25	85,550	. . . . .	. . . . .	90	62	31	7	13,226	85,972	127,430
California .	1890	15	2,995,950	1,875,073	1,120,877	1,379	937	418	24	331,718	828,771	1,428,203
	1880	9	1,676,509	. . . . .	. . . . .	835	708	108	19	334,318	997,539	1,634,858
Connecticut	1890	116	25,492,102	10,841,276	14,650,826	13,227	7,061	5,575	591	5,026,599	12,973,271	21,492,025
	1880	102	14,221,637	. . . . .	. . . . .	12,163	6,440	4,283	1,440	4,022,310	14,742,091	24,855,729
Delaware .	1890	4	506,974	313,000	193,974	297	146	112	39	103,395	295,605	482,022
	1880	5	352,559	. . . . .	. . . . .	261	171	59	31	108,504	448,285	665,253
Georgia . .	1890	19	444,033	329,940	114,093	528	135	292	101	104,353	166,696	340,095
	1880	32	180,733	. . . . .	. . . . .	142	72	45	25	25,070	165,065	239,390
Illinois . .	1890	66	3,383,831	1,534,472	1,849,359	2,906	872	1,961	73	895,143	1,869,858	3,471,651
	1880	67	1,433,353	. . . . .	. . . . .	1,780	703	848	229	400,910	1,623 693	2,380,584
Indiana . .	1890	65	3,827,195	1,844,096	1,983,099	3,109	1,218	1,718	173	817,387	2,287,680	3,863,786
	1880	86	2,318,705	. . . . .	. . . . .	2,025	872	788	365	487,381	1,926,670	2,887,547

Iowa . . .	1890	24	901,900	500,150	401,750	387	189	182	16	135,790	507,478	700,981
	1880	37	555,700	. . . . .	. . . . .	505	310	135	60	118,252	437,301	682,812
Kansas . . .	1880	5	131,925	. . . . .	. . . . .	124	66	40	18	25,825	107,251	211,525
Kentucky .	1890	45	2,402,383	1,471,227	1,431,156	2,042	923	941	178	615,055	1,656,710	2,784,768
	1880	98	894,750	. . . . .	. . . . .	823	353	253	217	166,189	852,405	1,264,988
Louisiana . .	1890	4	122,900	90,000	32,900	286	28	258	. . . .	52,517	58,004	152,455
Maine . . .	1890	91	9,741,422	4,195,686	5,545,736	5,476	3,304	2,022	150	2,000,134	5,737,484	8,857,856
	1880	97	4,016,828	. . . . .	. . . . .	3,273	1,815	1,161	297	1,093,234	4,444,990	6,962,003
Maryland .	1890	20	582,681	334,999	247,682	829	242	320	267	189,994	520,870	781,723
	1880	16	344,010	. . . . .	. . . . .	404	251	105	48	72,591	382,224	539,028
Mass. . . .	1890	366	76,611,687	33,465,925	43,145,762	43,473	22,734	18,897	1,842	16,334,782	45,937,152	74,295,867
	1880	271	38,231,375	. . . . .	. . . . .	38,599	18,708	16,578	3,313	11,809,328	41,677,919	67,451,805
Michigan .	1890	52	1,899,460	1,017,853	881,607	1,428	489	907	32	390,147	886,541	1,689,974
	1880	50	706,189	. . . . .	. . . . .	1,309	283	820	206	168,564	583,241	858,766
Minnesota .	1890	27	885,716	506,648	379,068	470	220	249	1	167,323	399,487	730,226
	1880	14	198,500	. . . . .	. . . . .	241	114	77	50	48,927	160,867	263,378
Mississippi	1890	7	1,553,455	876,030	677,425	1,082	415	443	224	306,270	508,039	924,185
	1880	8	331,500	. . . . .	. . . . .	218	111	61	46	53,100	211,646	299,605
Missouri .	1890	46	823,013	554,085	268,928	635	268	308	59	156,887	341,461	629,902
	1880	102	755,550	. . . . .	. . . . .	807	415	258	134	129,177	723,286	1,015,961
N. H. . . .	1890	102	15,123,749	5,686,969	9,436,780	9,471	4,366	4,805	300	3,361,878	8,895,504	14,589,420
	1880	85	8,374,855	. . . . .	. . . . .	7,375	3,364	3,390	621	2,243,436	7,854,955	13,220,850
New Jersey,	1890	59	8,723,922	4,739,394	3,984,528	7,375	3,438	3,597	340	2,460,126	6,330,201	10,374,280
	1880	45	3,795,695	. . . . .	. . . . .	5,172	2,617	1,727	828	1,417,515	4,117,035	6,829,074
New York,	1890	391	50,125,453	25,964,240	24,161,213	38,739	15,160	20,889	2,690	13,109,559	30,786,418	53,909,624
	1880	264	23,583,574	. . . . .	. . . . .	24,364	9,837	11,433	3,094	7,258,866	19,550,793	34,978,287
N. Carolina,	1890	38	437,628	252,970	184,658	508	194	230	84	95,739	265,183	435,821
	1880	49	203,100	. . . . .	. . . . .	185	120	50	15	23,195	255,707	303,160
Ohio . . .	1890	136	4,614,419	2,087,333	2,527,086	4,561	1,381	2,731	449	1,118,206	3,434,506	5,346,962
	1880	146	1,570,340	. . . . .	. . . . .	2,423	856	1,235	332	414,472	1,395,512	2,198,264
Oregon . .	1890	6	1,350,585	342,820	1,007,765	402	245	134	23	175,313	327,252	614,932
	1880	10	566,800	. . . . .	. . . . .	216	166	33	17	86,088	227,486	549,030
Penn. . . .	1890	771	69,666,069	36,354,158	33,311,911	56,092	23,725	26,885	5,482	19,935,298	55,011,590	90,992,210
	1880	654	35,642,016	. . . . .	. . . . .	42,404	19,115	17,546	5,743	12,385,598	43,664,468	67,821,397

Capital, Labor and Wages, etc., 1880 and 1890. — *Concluded.*

States.		Number Establishments.	Capital.			Labor and Wages.					Cost of Materials used.	Value of Products.
			Total.	Value of Land, Buildings, and Machinery.	Live Assets.	Average Number of Hands Employed.				Total Amount paid in Wages.		
						Total.	Males above 16 Years.	Females above 15 Years.	Children.			
R. I.	1890	102	$29,147,587	$14,693,812	$14,453,775	19,471	9,454	8,141	1,876	$7,117,123	$22,726,248	$36,073,285
	1880	62	13,022,116	. . . . .	. . . . .	12,247	5,928	4,437	1,882	3,730,247	13,094,650	21,624,204
S. Carolina	1880	11	7,900	. . . . .	. . . . .	13	13	. . . .	. . . .	1,173	19,455	24,075
Tennessee,	1890	55	1,421,879	709,213	721,666	998	428	446	124	239,657	759,766	1,216,419
	1880	106	418,664	. . . . .	. . . . .	402	249	111	42	67,063	423,054	620,724
Texas	1890	6	470,170	349,130	121,040	402	185	176	41	139,395	211,607	394,080
	1880	1	97,500	. . . . .	. . . . .	36	28	8	. . . .	25,700	44,435	80,500
Utah	1890	15	643,329	327,795	315,534	344	170	155	19	121,176	188,889	392,094
	1880	11	382,000	. . . . .	. . . . .	277	150	79	48	68,508	147,226	279,424
Vermont	1890	42	4,283,890	1,688,666	2,595,224	2,316	1,230	1,044	42	900,208	2,116,882	3,872,784
	1880	50	2,812,161	. . . . .	. . . . .	2,482	1,315	1,019	148	649,071	2,372,428	3,813,077
Virginia	1890	43	1,011,447	562,503	448,944	636	372	233	31	171,463	466,340	795,309
	1880	48	456,750	. . . . .	. . . . .	365	251	95	19	71,720	383,080	577,968
Wash.	1880	1	40,000	. . . . .	. . . . .	29	18	8	3	4,000	52,000	70,000
W. Virginia	1890	35	357,881	185,970	171,911	307	178	118	11	67,380	210,461	350,132
	1880	56	298,170	. . . . .	. . . . .	357	228	96	33	44,861	247,543	359,586
Wisconsin,	1890	66	4,063,739	1,674,198	2,389,541	3,518	881	2,481	156	822,423	2,024,108	3,507,455
	1880	52	1,359,964	. . . . .	. . . . .	875	432	398	45	218,357	901,918	1,498,886
All other states	1890	17	263,029	168,908	94,121	145	47	94	4	44,893	98,092	206,063

No. 42.—Summary Classification of Woolen Manufacturing Industries.

Industries.		Number of Establishments.	Capital.			Miscellaneous Expenses.
			Total.	Value of Land, Buildings, and Machinery. (a)	Live Assets.	
Total	1890	b 2,503	$314,309,944	$147,450,870	$166,859,074	$19,547,200
	1880	2,689	159,091,869	. . . . .	. . . . .	. . . . .
Mills.						
Woolen	1890	1,312	$137,930,014	$64,754,417	$73,175,597	8,511,292
	1880	1,990	96,095,564	. . . . .	. . . . .	. . . . .
Worsted	1890	143	72,194,642	32,000,336	40,194,306	4,980,187
	1880	76	20,374,043	. . . . .	. . . . .	. . . . .
Felt goods	1890	34	4,589,021	1,994,384	2,594,637	233,621
	1880	26	1,958,254	. . . . .	. . . . .	. . . . .
Wool hats	1890	32	4,369,184	1,421,349	2,947,835	251,818
	1880	43	3,615,830	. . . . .	. . . . .	. . . . .
Carpets, other than rag	1890	175	39,769,441	18,915,634	20,853,807	1,839,568
	1880	195	21,468,587	. . . . .	. . . . .	. . . . .
Hosiery and knit goods	1890	807	55,457,642	28,364,750	27,092,892	3,730,714
	1880	359	15,579,591	. . . . .	. . . . .	. . . . .

a Includes property hired to the value of $17,326,780.

b Excluding 267 idle establishments reported in wool manufacture.

Summary Classification of Woolen Manufacturing Industries. — *Concluded.*

Industries.		Labor and Wages.					Total Cost of all Materials.	Total Value of all Products.
		Average Number of Hands Employed.				Total Amount Paid in Wages.		
		Total.	Males.	Females.	Children.			
Total	1890	221,032	99,318	106,057	15,657	$76,741,266	$203,095,642	$338,231,109
	1880	161,557	75,459	66,814	19,284	47,389,087	164,371,551	267,252,913
Mills.								
Woolen	1890	79,388	44,526	30,236	4,626	28,478,326	82,184,666	133,612,827
	1880	86,504	46,978	29,372	10,154	25,836,392	100,845,611	160,606,721
Worsted	1890	43,593	19,705	20,063	3,825	15,880,183	50,644,342	79,194,652
	1880	18,803	6,435	9,473	2,895	5,683,027	22,013,628	33,549,942
Felt	1890	2,266	1,594	510	162	1,041,296	2,809,187	4,654,768
	1880	1,524	1,203	233	88	439,760	2,530,710	3,619,652
Wool hats	1890	3,592	2,309	1,124	159	1,363,944	2,799,791	5,329,921
	1880	5,470	3,222	1,459	789	1,893,215	4,785,774	8,516,569
Carpets, other than rag	1890	29,189	14,101	13,083	2,005	11,639,176	28,649,031	47,801,499
	1880	20,371	10,104	8,570	1,697	6,835,218	18,984,877	31,792,802
Hosiery and knit goods	1890	63,004	17,083	41,041	4,880	18,338,341	36,008,625	67,637,442
	1880	28,885	7,517	17,707	3,661	6,701,475	15,210,951	29,167,227

No. 43.—Statement of Idle Capital and Machinery for 1890.

States.	No. Mills.	Total Capital.	Land.	Buildings.	Machinery.	Sets of Cards.	Combing Machines.	Spindles.	Looms.	Knitting Machines.
California	4	$225,000	$22,700	$76,300	$126,000	9	. . . . .	2,815	31	. . . . .
Connecticut	11	635,408	52,400	320,100	262,908	41	. . . . .	3,620	195	148
Illinois	5	24,300	3,800	10,600	9,900	6	. . . . .	840	24	. . . . .
Indiana	10	83,125	13,725	24,500	44,900	17	. . . . .	3,923	74	20
Iowa	7	180,350	17,550	66,000	93,800	16	. . . . .	4,180	68	1
Kansas	5	47,600	2,600	22,000	23,000	6	. . . . .	2,646	5	45
Maine	7	126,200	8,500	31,500	86,200	25	. . . . .	3,830	62	16
Massachusetts	43	1,184,110	135,395	433,150	615,565	135	. . . . .	34,798	770	318
Michigan	9	198,056	16,300	98,151	81,105	15	. . . . .	1,282	12	426
Missouri	4	23,100	2,000	5,300	15,800	4	. . . . .	888	28	9
New Hampshire	9	121,600	17,200	51,000	53,400	10	. . . . .	1,760	52	50
New Jersey	5	255,000	14,300	46,500	194,200	8	3	4,100	194	8
New York	36	899,711	248,700	301,600	349,411	113	. . . . .	24,654	411	391
North Carolina	6	19,440	3,040	8,600	7,800	2	. . . . .	3,240	5	40
Ohio	18	99,100	12,700	38,700	47,700	18	. . . . .	4,204	70	172
Pennsylvania	47	1,265,460	177,310	434,050	654,100	116	23	48,124	635	56
Rhode Island	6	294,500	38,500	160,000	96,000	30	. . . . .	13,572	208	25
Tennessee	6	25,500	5,000	9,500	11,000	5	. . . . .	1,930	42	12
Virginia	5	29,500	3,100	14,400	12,000	6	. . . . .	950	14	11
West Virginia	3	10,200	2,600	4,900	2,700	3	. . . . .	600	18	. . . . .
Wisconsin	8	164,300	16,196	43,888	103,216	7	9	5,270	6	57
All other states (*e*)	13	195,800	28,300	72,500	95,000	20	. . . . .	5,408	94	16
Total	267	$6,107,360	$841,916	$2,273,239	$2,985,705	612	35	172,634	3,018	1,821

e Includes States in which there were less than 3 establishments, as follows. Arkansas, 1; Delaware, 1; Georgia, 1; Kentucky, 1; Maryland, 2; Minnesota, 2; Nebraska, 1; Texas, 1; Utah, 1; Vermont, 2.

No. 44.—Active Machinery, not including Shoddy Mills.

States.	Number of Establishments.		Sets of Cards.		Combing Machines.		Spindles.		Looms.		Knitting Machines.	
	1890.	1880.	1890.	1880.	1890.	1880.	1890.	1880.	1890.	1880.	1890.	1880.
Alabama	9	14	8	15	. . . .	. . . .	288	160	12	10	128	. . . .
Arkansas	6	25	7	29	. . . .	. . . .	735	1,360	24	41	. . . .	1
California	10	9	70	60	. . . .	. . . .	18,598	18,740	292	230	34	138
Colorado	2	. . . .	. . . .	. . . .	. . . .	. . . .	. . . .	. . . .	. . . .	. . . .	7	. . . .
Connecticut	98	102	646	622	34	21	229,982	191,892	3,640	3,156	1,205	1,100
Delaware	3	5	15	13	. . . .	. . . .	7,306	4,306	229	126	. . . .	. . . .
Florida	1	. . . .	. . . .	. . . .	. . . .	. . . .	. . . .	. . . .	. . . .	. . . .	24	. . . .
Georgia	18	32	22	42	. . . .	. . . .	4,512	2,224	119	88	225	. . . .
Idaho	1	. . . .	1	. . . .	. . . .	. . . .	480	. . . .	10	. . . .	. . . .	. . . .
Illinois	58	67	71	109	. . . .	. . . .	24,569	21,672	323	379	1,527	441
Indiana	55	86	153	160	4	1	54,082	36,886	1,006	814	671	205
Iowa	17	37	36	56	. . . .	. . . .	10,828	11,025	158	166	19	19
Kansas	2	5	1	9	. . . .	. . . .	240	2,636	4	41	22	4
Kentucky	44	98	104	154	4	. . . .	41,171	14,110	1,679	513	65	3
Louisiana	4	. . . .	1	. . . .	. . . .	. . . .	1,850	. . . .	2	. . . .	169	. . . .
Maine	82	97	387	274	5	. . . .	126,418	68,192	2,020	1,103	91	1
Maryland	18	16	30	30	. . . .	. . . .	11,150	6,580	114	136	268	. . . .
Massachusetts	293	271	1,837	1,660	265	190	780,774	597,969	16,354	15,869	3,360	1,359
Michigan	43	50	68	55	. . . .	. . . .	17,239	11,608	158	167	686	536
Minnesota	25	14	37	21	. . . .	. . . .	7,510	3,852	125	59	172	12
Mississippi	7	8	31	15	. . . .	. . . .	9,196	3,734	376	121	. . . .	. . . .
Missouri	42	102	52	126	. . . .	. . . .	12,984	12,622	261	193	145	83
Nebraska	1	. . . .	. . . .	. . . .	. . . .	. . . .	. . . .	. . . .	. . . .	. . . .	20	. . . .

Active Machinery, not including Shoddy Mills. — *Concluded.*

States.	Number of Establishments.		Sets of Cards.		Combing Machines.		Spindles.		Looms.		Knitting Machines.	
	1890.	1880.	1890.	1880.	1890.	1880.	1890.	1880.	1890.	1880.	1890.	1880.
New Hampshire	90	85	493	385	29	21	173,654	155,763	4,049	2,903	3,070	1,144
New Jersey	50	45	235	184	29	9	86,617	41,839	1,533	1,285	694	345
New York	342	264	1,403	1,150	88	80	530,904	269,428	5,103	3,870	5,607	1,416
North Carolina	32	49	35	57	. . .	. . .	11,502	2,374	169	30	136	1
Ohio	115	146	112	182	5	2	34,719	35,260	717	638	1,683	453
Oregon	6	10	21	21	. . .	. . .	6,252	4,248	95	56	11	9
Pennsylvania	706	654	1,299	1,155	191	124	592,036	411,647	22,173	16,991	14,571	7,342
Rhode Island	85	62	572	495	195	70	356,151	228,262	6,608	6,941	764	54
South Carolina	1	11	1	11	. . .	. . .	. . .	. . .	. . .	. . .	. . .	. . .
South Dakota	2	. . .	3	. . .	. . .	. . .	808	. . .	19	. . .	. . .	. . .
Tennessee	49	106	80	98	. . .	. . .	19,938	6,860	925	167	. . .	. . .
Texas	5	1	10	2	. . .	. . .	5,000	600	175	12	. . .	. . .
Utah	14	11	31	21	. . .	. . .	7,960	5,422	99	114	73	. . .
Vermont	39	50	157	167	. . .	. . .	51,423	50,069	682	746	221	69
Virginia	38	48	60	54	. . .	. . .	14,398	8,486	212	154	56	. . .
Washington	1	1	. . .	2	. . .	. . .	. . .	400	. . .	12	6	. . .
West Virginia	32	56	42	72	. . .	. . .	7,404	8,081	153	179	10	15
Wisconsin	57	52	69	75	6	. . .	27,602	16,689	258	220	1,184	19
Total	2,503	2,689	8,200	7,581	855	518	3,286,280	2,254,996	*a* 69,876	*b* 57,530	36,924	14,769

a Includes 3,105 hand looms.

b Ineludes 4,776 hand looms.

No. 45.—Detailed Statement of Materials Consumed, 1880-1890.

Industries.		Number of Establishments.	Wool.				Shoddy.		Camel's Hair and Noils.	
			Foreign Wool in Condition Purchased. (*Pounds.*)	Domestic Wool in Condition Purchased. (*Pounds.*)	Total Quantity of Foreign and Domestic Wool in Scoured Pounds as Prepared for Cards. (*Pounds.*)	Total Cost of Foreign and Domestic Wool.	*Pounds.*	*Cost.*	*Pounds.*	*Cost.*
Total	1890	2,503	114,116,612	258,757,101	215,001,813	$98,566,004	61,626,261	$6,935,459	7,689,804	$1,251,367
	1880	2,689	73,200,698	222,991,531	171,880,831	97,681,604	52,163,926	8,045,895	1,583,119	401,789
Mills.										
Woolen	1890	1,312	16,822,138	168,525,806	100,246,094	48,867,811	51,862,397	5,398,617	1,781,240	289,970
	1880	1,990	20,482,667	177,042,288	109,724,213	67,380,250	46,583,983	7,014,100	1,234,064	332,419
Worsted	1890	143	37,869,023	59,832,451	54,989,746	28,280,287	2,608,831	347,006	4,411,543	672,392
	1880	76	15,687,815	25,461,511	26,334,635	15,235,878	190,800	31,300	207,065	40,341
Felt	1890	34	1,689,588	5,039,495	4,213,230	1,841,382	1,450,384	179,505	68,250	3,071
	1880	26	709,067	4,204,806	2,733,796	1,624,871	2,406,849	383,267	70,000	7,500
Wool hats	1890	32	259,325	4,278,628	3,018,114	1,448,799	306,351	85,963	11,688	5,610
	1880	43	1,864,139	6,107,471	3,597,279	2,644,293	1,368,562	370,963	3,911	1,875
Carpets, other than rag,	1890	175	54,742,234	2,145,632	35,733,137	9,85[illegible],307	653,154	43,420	1,001,929	140,175
	1880	195	34,008,252	2,029,318	23,563,216	6,975,129	90,469	12,442	46,300	8,808
Hosiery and knit goods,	1890	807	2,734,304	18,935,089	16,801,492	8,269,418	4,745,144	880,948	415,154	140,149
	1880	359	448,758	8,146,137	5,927,692	3,821,183	1,523,263	233,823	21,779	10,846

Detailed Statement of Materials Consumed, 1880-1890. — *Concluded.*

Industries.		Mohair and Noils.		All Other Animal Hair.		Cotton Purchased.		Chemicals and Dye Stuffs.	Fuel.	Cost of all other Materials, Including Yarns Purchased.	Total Cost of all Materials.
		Pounds.	*Cost.*	*Pounds.*	*Cost.*	*Pounds.*	*Cost.*	(*Cost.*)	(*Cost.*)		
Total	1890	2,136,244	$848,533	16,865,764	$1,153,997	75,638,865	$8,590,999	$9,150,217	$3,894,492	$72,704,574	$203,095,642
	1880	159,678	86,995	6,335,169	295,870	48,000,857	6,233,175	7,648,618	2,809,192	41,168,413	164,371,551
Mills.											
Woolen	1890	60,533	15,991	9,619,277	493,492	37,158,712	4,213,527	4,602,765	1,711,169	16,591,324	82,184,666
	1880	84,080	50,837	4,497,524	238,046	24,744,964	3,395,569	4,758,498	1,832,703	15,843,189	100,845,611
Worsted	1890	2,038,732	824,869	1,083,690	120,585	3,881,743	438,637	2,037,729	1,048,245	16,874,592	50,644,342
	1880	31,598	19,458	519	237	1,757,842	211,293	565,660	314,918	5,594,543	22,013,628
Felt	1890	. . . . .	. . . .	2,355,928	48,301	395,032	37,133	169,522	92,551	437,722	2,809,187
	1880	. . . . .	. . . .	1,728,000	45,850	1,181,500	114,660	150,921	77,437	126,204	2,530,710
Wool hats	1890	4,508	2,130	147,600	113,878	. . . . .	. . . .	159,700	84,904	898,807	2,799,791
	1880	. . . . .	. . . .	7,436	3,615	185,400	21,870	173,040	110,985	1,459,133	4,785,774
Carpets, other than rag	1890	32,302	5,456	3,645,096	373,823	1,755,761	187,637	1,265,267	447,517	16,327,429	28,649,031
	1880	4,000	700	96,540	7,604	. . . . .	. . . .	1,369,439	263,480	10,347,275	18,984,877
Hosiery and knit goods	1890	169	87	14,173	3,918	32,447,617	3,714,065	915,234	510,106	21,574,700	36,008,625
	1880	40,000	16,000	5,150	518	20,131,151	2,489,783	631,060	209,669	7,798,069	15,210,951

No. 46.—The Manufacture of Shoddy, 1890.

States.		Number Mills.	Total Capital.	Hands Employed. Total.	Total Amount Paid in Wages.	Miscellaneous Expenses.	Number Cards.	Cost of Materials.	Shoddy and Mungo. Pounds.	Shoddy and Mungo. Value.	Value of all other Products.	Total Value of all Products.
United States	1890	93	$4,091,207	2,266	$840,259	$234,327	470	$5,875,382	35,502,054	$5,735,934	$1,975,781	$7,711,715
	1880	73	1,165,100	1,282	400,326	. . . . .	. . . .	3,366,650	. . . . .	. . . . .	. . . . .	4,989,615
Connecticut	1890	7	401,986	180	85,816	26,399	47	442,552	2,398,000	390,760	257,300	648,060
	1880	8	86,000	139	35,345	. . . . .	. . . .	261,200	. . . . .	. . . . .	. . . . .	347,500
Illinois	1890	3	118,037	114	36,254	11,744	12	103,588	2,528,616	167,607	14,503	182,110
	1880	2	22,000	31	12,300	. . . . .	. . . .	74,500	. . . . .	. . . . .	. . . . .	100,000
Maine (*a*)	1880	1	6,000	8	1,905	. . . . .	. . . .	7,200	. . . . .	. . . . .	. . . . .	12,000
Maryland	1880	1	5,000	15	3,100	. . . . .	. . . .	14,150	. . . . .	. . . . .	. . . . .	22,500
Massachusetts	1890	29	939,050	435	180,748	63,475	167	1,170,080	10,018,424	1,418,817	195,642	1,614,459
	1880	30	460,500	471	173,439	. . . . .	. . . .	1,308,715	. . . . .	. . . . .	. . . . .	2,305,985
New Hampshire	1890	3	33,463	25	11,683	1,795	12	86,816	911,763	111,848	. . . . .	111,848
	1880	3	17,300	23	5,700	. . . . .	. . . .	38,900	. . . . .	. . . . .	. . . . .	49,600
New Jersey	1890	4	353,225	127	43,755	20,650	19	300,613	1,252,000	315,640	74,000	389,640
	1880	1	35,000	30	25,000	. . . . .	. . . .	80,734	. . . . .	. . . . .	. . . . .	137,500
New York	1890	12	489,020	192	77,361	12,540	36	342,112	2,616,000	383,200	88,278	471,478
	1880	7	32,700	78	33,610	. . . . .	. . . .	321,220	. . . . .	. . . . .	. . . . .	407,590
Ohio	1890	3	756,530	696	182,700	28,266	43	1,100,480	4,800,000	1,377,500	. . . . .	1,377,500
	1880	1	250,000	246	40,000	. . . . .	. . . .	575,000	. . . . .	. . . . .	. . . . .	700,000
Pennsylvania	1890	17	663,813	306	134,852	42,029	62	1,082,114	8,007,875	1,191,378	267,107	1,458,485
	1880	11	186,000	143	47,441	. . . . .	. . . .	510,977	. . . . .	. . . . .	. . . . .	655,895
Rhode Island	1890	10	256,750	146	68,014	23,578	58	1,163,935	1,711,000	274,741	1,076,051	1,350,792
	1880	6	49,600	83	18,590	. . . . .	. . . .	137,054	. . . . .	. . . . .	. . . . .	195,045
Vermont (*a*)	1880	2	15,000	15	3,896	. . . . .	. . . .	37,000	. . . . .	. . . . .	. . . . .	56,000
All other States (*a*)	1890	5	79,333	45	19,076	3,851	14	83,092	1,258,376	104,443	2,900	107,343

a Includes States in which there were less than three establishments in order that the operations of individual establishments may not be disclosed. These establishments were located as follows: California, 1; Maine, 2; Vermont, 1; Wisconsin, 1.

No. 47.—Importation of Colonial and Foreign Wool into Great Britain from 1881 to 1891.

HELMUTH SCHWARTZE & Co.

	1891.	1890.	1889.	1888.	1887.	1886.	1885.	1884.	1883.	1882.	1881.
New South Wales . .	353,407	274,448	306,091	321,154	245,290	265,181	217,119	241,277	234,659	230,284	206,226
Queensland*	175,558	144,093	126,637	122,867	106,614	84,065	104,361	99,974	60,858	54,093	39,362
Victoria	365,490	365,172	372,057	380,330	346,396	360,731	317,152	358,228	336,518	364,041	355,524
South Australia . . .	120,665	98,249	111,236	115,849	106,403	130,628	115,108	118,357	108,487	122,167	112,827
Tasmania	25,855	23,537	22,035	20,167	22,261	21,463	21,681	24,415	24,038	23,429	23,826
Western Australia . .	26,933	27,949	22,897	19,382	17,656	16,862	14,427	13,204	11,208	11,615	11,217
New Zealand	315,055	292,724	277,726	265,684	272,918	260,912	237,875	228,900	215,024	194,102	182,907
Australasian	1,380,963	1,226,172	1,238,679	1,245,433	1,116,538	1,139,842	1,027,723	1,084,355	990,792	999,731	931,889
Cape	316,510	283,494	287,334	288,910	234,728	227,289	182,168	189,377	187,368	191,113	194,133
Colonial	1,697,473	1,509,666	1,526,013	1,534,343	1,351,266	1,367,131	1,209,891	1,273,732	1,178,160	1,190,844	1,126,022
German	3,335	4,592	7,358	5,356	9,589	12,005	9,700	10,045	16,138	10,297	9,049
Portuguese and Spanish	8,941	13,538	21,558	18,157	16,385	24,355	7,731	7,598	10,683	10,849	8,221
East India	104,310	103,342	113,518	105,240	100,646	101,770	83,595	75,061	78,708	83,562	72,759
Persian	29,457	22,328	27,350	28,930	23,299	16,755	10,104	15,680	7,486	8,444	11,425
Russian	96,205	65,506	106,263	59,802	66,422	65,027	63,368	48,635	56,212	44,201	36,494
River Plate	9,145	6,310	11,885	10,350	7,016	12,440	8,728	4,303	5,690	5,868	2,324
Peru, Lima, and Chili .	30,328	30,059	32,410	27,096	35,576	23,209	31,270	54,336	10,690	39,466	24,679
Alpaca	31,740	27,441	34,637	29,139	34,366	26,718	34,421	67,133	13,576	38,872	19,500
Mediterranean and African	64,795	74,237	88,395	78,980	88,371	62,678	33,127	20,874	36,799	36,957	21,956
Mohair	62,993	48,131	77,526	72,767	56,005	76,690	52,457	66,873	55,895	66,202	35,937
Suudry	47,433	36,736	44,981	32,800	24,369	30,404	25,325	15,333	18,423	17,809	28,026
Total Bales	2,186,155	1,941,886	2,091,894	2,002,960	1,813,310	1,819,182	1,569,717	1,659,603	1,488,460	1,553,371	1,396,392

*Partly included in New South Wales prior to 1884.

No. 48.—Importation of Colonial Wool into Europe and America, 1860–1891.

(*With approximate average value per bale.*)

HELMUTH SCHWARTZE & Co.

YEAR.	Australasian bales.	Cape bales.	Total Colonial bales.	Average value per bale.	Total value.	
1860 .	187,000	79,000	266,000	£25$\frac{3}{4}$	£6,850,000	
1861 .	212,000	84,000	296,000	23$\frac{1}{4}$	6,882,000	£7,000,000 period.
1862 .	227,000	82,000	309,000	22$\frac{3}{4}$	7,030,000	
1863 .	242,000	94,000	336,000	22$\frac{3}{4}$	7,644,000	
1864 .	302,000	113,000	415,000	24$\frac{3}{4}$	10,271,000	
1865 .	334,000	109,000	443,000	23$\frac{3}{4}$	10,521,000	
1866 .	351,000	128,000	479,000	24$\frac{1}{2}$	11,735,000	
1867 .	414,000	135,000	549,000	20$\frac{3}{4}$	11,392,000	£11,000,000 period.
1868 .	483,000	156,000	639,000	18$\frac{1}{2}$	11,822,000	
1869 .	504,000	153,000	657,000	15$\frac{3}{4}$	10,348,000	
1870 .	546,000	152,000	698,000	16$\frac{3}{4}$	11,691,000	
1871 .	573,000	186,000	759,000	20$\frac{1}{2}$	15,560,000	Year of transition.
1872 .	554,000	189,000	743,000	26$\frac{1}{2}$	19,690,000	
1873 .	571,000	176,000	747,000	24$\frac{1}{4}$	18,115,000	
1874 .	659,000	170,000	829,000	23$\frac{1}{4}$	19,274,000	
1875 .	720,000	197,000	917,000	22$\frac{1}{4}$	20,403,000	
1876 .	769,000	167,000	936,000	18$\frac{3}{4}$	17,550,000	
1877 .	835,000	186,000	1,021,000	18$\frac{3}{4}$	19,144,000	
1878 .	801,000	169,000	970,000	18$\frac{3}{4}$	18,187,000	
1879 .	826,000	189,000	1,015,000	16$\frac{1}{2}$	16,748,000	
1880 .	869,000	219,000	1,088,000	20$\frac{1}{4}$	22,032,000	£20,000,000 period.
1881 .	957,000	204,000	1,161,000	17$\frac{1}{2}$	20,027,000	
1882 .	993,000	197,000	1,190,000	17$\frac{1}{2}$	20,825,000	
1883 .	1,054,000	199,000	1,253,000	16$\frac{3}{4}$	20,988,000	
1884 .	1,112,000	191,000	1,303,000	16	20,848,000	
1885 .	1,094,000	188,000	1,282,000	14	17,948,000	
1886 .	1,196,000	236,000	1,432,000	13$\frac{1}{2}$	19,332,000	
1887 .	1,207,000	237,000	1,444,000	14	20,216,000	
1888 .	1,315,000	289,000	1,604,000	13$\frac{1}{2}$	21,654,000	
1889 .	1,385,000	310,000	1,695,000	15$\frac{1}{2}$	26,272,000	£26,000,000 period.
1890 .	1,411,000	288,000	1,699,000	14$\frac{3}{4}$	25,060,000	
1891 .	1,683,000	322,000	2,005,000	13$\frac{1}{2}$	27,067,000	

GREAT BRITAIN.

No. 49.—Foreign and Colonial Wool, Alpaca, Mohair, etc., Imported.

Bradford Observer.

Year.	Total Imports of Wool, Alpaca and Goat's Hair.	Re-Exported.	Left for Home Consumption.
	Lbs	*Lbs.*	*Lbs.*
1844	67,004,532	1,972,674	65,031,858
1845	78,055,478	2,662,353	75,393,125
1846	66,542,782	3,011,980	63,530,802
1847	63,893,047	4,809,725	59,083,322
1848	71,761,712	6,555,584	65.186,128
1849	79,304,782	12,450,497	66,854,285
1850	77,132,483	14,388,674	62,743,809
1851	85,436,575	13,729,987	71,706,588
1852	96,325,788	11,316,933	85,008,855
1853	122,648,255	11,725,369	110,922,886
1854	107,457,314	24,509,263	82,948,051
1855	102,228,857	29,453,466	72,775,391
1856	119,124,230	26,679,793	92,444,437
1857	133,004,908	36,487,219	96,517,689
1858	130 528,985	26,701,542	103,827,443
1859	135,786,468	29,106,750	106,679,718
1860	151,218,057	30,761,867	120,456,190
1861	150,507,589	54,377,104	96,130,485
1862	175,991,342	48,076,499	127,914.843
1863	180,812,369	63,932,929	116,879,440
1864	211,210,375	55,933,739	155,276,636
1865	217,609,360	82,444,930	135,164,430
1866	243,751,351	66,573,488	177,177,863
1867	236,351,544	90,832,584	145,518,960
1868	259,810,928	105,070,311	154,740,617
1869	262,947,255	116,608,305	146,338,950
1870	266,329,005	92,542,384	173,786,621
1871	331,851,663	134,866,304	196,985,359
1872	312,784,154	137,511,247	175,272,907
1873	324,524,961	123,246,172	201,278,789
1874	352,425,555	144,294,663	208,130,892
1875	371,863,795	172,075,439	199,788,356
1876	396,044,232	173,020,372	223,023,860
1877	418,164,188	187,418,627	230,745,561
1878	406,510,344	199,286,544	207,223,800
1879	427,182,799	243,386,008	183,796,791
1880	476,088,461	237,391,454	238,697,007
1881	459,732,216	265,359,848	194,372.368
1882	504,865,869	263,441,171	241,424,698
1883	508,830,138	277,181,337	231,648,801
1884	544,231,130	276,893,151	267,337,979
1885	519,867,000	267,668,000	252,199,000
1886	614,983,000	310,388,000	304,595,000
1887	596,950,000	319,098,000	277,852,000
1888	661,907,000	338,927,000	322,980,000
1889	721,701,000	363,435,000	358,266,000
1890	649,908,000	340,502,000	309,406,000
1891	* 693,397,130	* 341,494,296	* 351,902,834

* 11 months only.

No. 50.—Imports of other Wools into Great Britain.

HELMUTH SCHWARTZE & Co.

	Bales.			Prices in London.		
	1891.	**1890.**	**1889.**	*Dec.* **1891.**	*Dec.* **1890.**	*Dec.* **1889.**
				D.	*D.*	*D.*
China	13,100	8,200	. . . . .	5¼	5¾	5¾
" Cashmere	2,200	1,806	. . . . .	17½	22	15
" Camel's hair	4,000	4,000	. . . . .	6	6½	7
Chili and Peru	30,328	30,959	32,410			
Peru super fleece	. . . . .	. . . . .	. . . . .	9½	10½	10½
" middling fleece	. . . . .	. . . . .	. . . . .	7¾	8½	8½
Lima unwashed	. . . . .	. . . . .	. . . . .	6¼	7¼	8¼
Russian	96,205	65,506	106,263	7	7¼	7½
" Camel's hair	13,500	12,000	22,000	4⅛	4¼	5
Persian	29,457	22,328	27,350			
" White and colors	. . . . .	. . . . .	. . . . .	7	6½	7
" White alone	. . . . .	. . . . .	. . . . .	7½	7½	7½
Portuguese	7,188	7,684	11,110	8½	9½	9¼
Spanish	1,753	5,854	10,448	8½	9½	9½
Mediterranean. Morocco	9,563	13,602	9,044	8½	8¼	8½
Turkey	49,036	55,201	70,841	7	7¼	7¾
Egyptian	3,702	4,376	5,752	9¼	10¼	10¼
East India	104,310	103,342	113,518			
Joria best white	. . . . .	. . . . .	. . . . .	10	10¾	11½
Candahar best white	. . . . .	. . . . .	. . . . .	8	9¼	9¾
River Plate	2,931	3,528	5,687			
Alpaca (super Isleey fleece)	31,740	27,341	34,637	12½	15	22
Mohair. Turkish (fair average)	41.102	27,463	56,972	12¾	14	19
Cape (first)	21,891	20,668	20,554	10½	10½	15

No. 51.—Number of Sheep in Great Britain, Pounds of Wool Grown, Exported, and Left for Home Consumption, 1871-91.

Bradford Observer.

Number of Sheep in the United Kingdom, Isle of Man, and Channel Islands.		Home-grown Wool.			
		Year.	Production.	Exportation.	Left for Home Consumption.
			Lbs.	*Lbs.*	*Lbs.*
1873	33,982,404	1873	165,350,472	7,034,735	158,315,737
1874	34,837,597	1874	167,042,379	10,077,619	156,964,760
1875	33,491,948	1875	161,782,536	10,536,523	151,246,013
1876	32,262,579	1876	155,835,320	9,817,249	146,018,071
1877	32,220,067	1877	152,172,010	9,548,999	142,623,011
1878	32,571,018	1878	151,700,736	6,618,200	145,082,536
1879	32,237,958	1879	153,233,696	15,703,900	137,529,796
1880	30,239,620	1880	148,729,061	17,177,200	131,551,861
1881	27,896,273	1881	138,574,672	14,076,300	124,498,372
1882	27,449,500	1882	129,006,659	13,879,200	115,127,459
1883	28,347,560	1883	128,338,115	19,440,900	108,897,215
1884	29,376,787	1884	132,410,620	18,128,800	114,281,820
1885	30,086,200	1885	136,130,382	23,454,000	112,676,382
1886	28,955,240	1886	136,544,876	22,248,000	114,296,876
1887	29,401,750	1887	133,809,882	19,554,000	114,255,882
1888	28,938,716	1888	133,623,281	23,583,000	110,040,281
1889	29,484,774	1889	132,772,200	21,768,000	111,004,200
1890	31,667,195	1890	137,724,700	19,496,000	118,724,700
1891	33,533,988	1891	147,474,238	*17,000,000	130,474,238

* Estimated. 11 months = 15,616,400 lbs.

No. 52.—Estimate of Wool grown in Great Britain in 1891.

(*Bradford Observer.*)

County.	Sheep and Lambs, 1890.	Weight per fleece. *Pounds.*	Total. *Pounds.*
Lincoln	1,293,152	9½	12,284,944
East Riding, Yorks	483,338	8	3,866,704
Nottingham	231,417	7½	1,735,627
Leicester	344,572	7	2,412,004
Warwick	306,913	7	2,148,391
Kent	916,214	7	6,413,498
Huntingdon	118,208	7	827,456
Rutland	86,382	7	604,674
Northampton	429,050	6¾	2,896,087
Oxford	266,594	6¾	1,799,509
Gloucester	375,712	7	2,629,984
Somerset	596,637	7	4,176,459
Devon	913,562	7	6,394,934
Cornwall	442,140	7	3,094,980
Ireland	4,323,805	6	25,942,830
Hereford	326,347	5¾	1,876,495
Worcester	179,794	5¾	1,033,813
Stafford	274,698	5¾	1,579,513
Shropshire	479,880	6	2,879,280
Bedford	121,994	6	731,964
Berkshire	231,322	6	1,387,932
Buckingham	213,533	6	1,281,198
Cambridge	259,426	6	1,556,556
Herts	146,848	6	881,088
Norfolk	595,014	6	3,570,084
Suffolk	427,750	5	2,138,750
Essex	313,787	4½	1,412,041
Surrey	80,575	4½	362,587
Middlesex	21,358	5	106,790
Sussex	503,829	4½	2,267,230
Hants	443,658	4½	1,996,461
Wilts	613,399	4½	2,760,295
Dorset	418,945	5	2,094,725
Scotland	7,361,461	5	36,807,305
Northumberland	1,002,948	6	6,017,568
Cumberland	562,252	6	3,373,512
Durham	224,504	6	1,347,024
Westmoreland	359,787	6	2,158 722
North Riding, Yorks	710,643	6	4,263,858
West Riding, Yorks	685,167	6	4,111,002
Lancaster	330,333	6	1,981,998
Derby	202,897	6	1,217,382
Chester	106,418	4½	478,881
Monmouth	200,311	4½	901,399
Wales	3,069,710	3½	10,743.985
Sheep and Lambs in 1890	31,596,264		180,547,819
Slaughtered	11,024,527	@ 3	33,073,581
Net Clip of Wool in 1891			147,474,238
" " " 1890			137,724,700

Note.—The Sheep and Lambs of 1890 produce the Wool of 1891. The number slaughtered during the year is shown by the number of Lambs in 1891, minus the aggregate increase of Sheep and Lambs. Thus: Lambs, in 1891, 12,883,212—increase of Sheep and Lambs, 1,858,685 = 11,024,527, which at 3 pounds per fleece, being the estimated loss of wool, gives 33,073,581 pounds. The figures in the above estimate are exclusive of the Isle of Man and Channel Islands.

No. 53.—London Colonial Wool Sales, 1891.

H. Schwartze & Co.

	1st Series.	2d Series.	3d Series.	4th Series.	5th Series.	Total, 1891.	Total, 1890.	Total, 1889.
Sydney, bales	106,434	68,338	95,995	98,025	53,171	421,963	308,126	324,769
Queensland, bales	40,589	38,364	18,075	36,037	37,205	170,270	117,766	137,673
Port Phillip, bales	87,408	57,754	47,125	45,842	39,315	277,444	252,588	247,308
Adelaide, bales	34,160	29,092	23,422	4,093	20,295	111,062	72,649	89,094
Tasmania, bales	328	5,578	12,316	8,415	1,020	27,657	25,029	23,142
Swan River, bales	3,584	4,465	14,513	4,013	1,930	28,505	26,976	23,539
New Zealand, bales	15,612	48,706	115,282	111,649	23,666	314,915	279,450	265,822
Australasian, bales	288,115	252,297	326,728	308,074	176,602	1,351,816	1,082,584	1,111,347
Cape, bales	40,335	31,995	26,556	39,960	22,074	160,920	189,605	172,033
Colonial catalogued, bales	328,450	284,292	353,284	348,034	198,676	1,512,736	1,272,189	1,283,380
Actually sold (of first-hand wools)	320,000	274,000	333,000	317,000	180,000	1,433,000	1,171,000	1,236,000
Home consumption — Forwarded direct	25,000	42,000	41,000	27,000	11,000	146,000	143,000	132,000
Home consumption — Bought in P. sale	120,000	119,000	161,000	187,000	69,000	656,000	522,000	569,000
Home consumption — Total	145,000	161,000	202,000	214,000	80,000	802,000	665,000	701,000
Export — Forwarded direct	27,000	32,000	28,000	41,000	7,000	135,000	128,000	198,000
Export — Bought in P. sale	200,000	155,000	172,000	130,000	120,000	777,000	649,000	667,000
Export — Total	227,000	187,000	200,000	171,000	127,000	912,000	777,000	865,000
Total deliveries (of first-hand wools), bales	372,000	348,000	402,000	385,000	207,000	1,714,000	1,442,000	1,566,000

No. 54.— Liverpool Wool Sales, 1891.

H. Schwartze & Co.

	1st Series.	2d Series.	3d Series.	4th Series.	5th Series.	6th Series.	Total, 1891.	Total, 1890.	Total, 1889.
East India, bales	18,899	19,759	25,161	20,189	22,229	15,893	122,130	114,587	129,297
Turkish, Syrian, and Persian, bales	2,471	2,353	3,381	3,473	2,195	2,356	16,229	22,735	24,560
Egyptian, bales	844	822	1,184	826	718	834	5,228	5,646	8,058
Morocco, bales	1,965	999	790	1,162	2,406	1,988	9,310	9,621	7,460
Portuguese and Spanish, bales	1,108	982	1,421	1,217	1,631	1,855	8,214	10,463	14,131
River Plate, bales	1,304	. . . . .	63	90	49	64	1,570	689	2,345
Peru, Lima, and Chili, bales	6,280	4,139	840	750	4,646	6,338	22,993	24,342	16,835
Sundries	3,486	1,592	3,256	2,673	1,050	2,408	14,465	17,385	11,696
Total catalogued, bales	36,357	30,646	36,096	30,380	34,924	31,736	200,139	205,468	214,382

The London Colonial Sales.

First Series, Jan. 27-Feb. 26.— Price level generally maintained as at close of previous sales.

Second Series, April 2-28.— No material change in average condition of market. Good Port Phillip and Sydney grease advanced ½*d.*; medium and inferior sorts ½*d.* to 1*d.* lower.

Third Series, June 9 to July 7.— Prices opened with prices at from par to ½*d.* below April closing sales, and market maintained itself on this level, with tendency to improvement.

Fourth Series, September 8 to October 7.— All classes Australian wool showed average decline of ½*d.* to 1*d.*; New Zealand greasy suffered still more. Capes ruled from ½*d.* to 1½*d.* lower than at June Sales.

Fifth Series, November 21 to December 15.— A further decline of ½*d.* to 1*d.* for most Merino descriptions. Only best classes, suitable for American requirements, escaped decline. Scoured were a full 1*d.* lower, especially at close, when market was at its weakest.

The Liverpool Sales.

First Series, January 20-27.— Bulk of wools sold at former prices, with white Candahar slightly weaker.

Second Series, March 17-25.— Absence of American buyers caused decline of ¼ to ½*d.* for better classes; lower sorts unchanged.

Third Series, May 25. June 3.— Prices declined ½*d* in absence of American demand, and 5,000 bales withdrawn.

Fourth Series, July 21-29.— East India wools again declined ¼*d.* to ½*d.*

Fifth Series, September 22-30.— Prices for East India wools hardly changed; quotations for whites lowest on record.

Sixth Series, November 24-30.— Small quantities of East India brought forward, and prices on the whole maintained.

No. 55.—Prices of Lincoln Wool, Half Hog, from 1812.

Bradford Observer.

Year.	Price.	Year.	Price.
	Pence		*Pence*
1812	12½	1852	13⅝
1813	14	1853	16
1814	19	1854	15½
1815	22	1855	13
1816	16	1856	16
1817	15	1857	20½
1818	22	1858	15⅝
1819	16½	1859	18⅝
1820	16½	1860	20⅛
1821	14	1861	19½
1822	12	1862	20½
1823	11¼	1863	22⅝
1824	12	1864	27⅜
1825	17½	1865	25¼
1826	13	1866	23½
1827	11½	1867	18⅞
1828	11	1868	17½
1829	10	1869	18½
1830	9	1870	16¾
1831	12	1871	21⅜
1832	13	1872	25⅝
1833	14	1873	24½
1834	15½	1874	20¾
1835	15½	1875	19¼
1836	16	1876	17¾
1837	13½	1877	16¼
1838	14	1878	15
1839	17	1879	12½
1840	14	1880	15⅝
1841	12½	1881	12⅜
1842	11	1882	11¼
1843	10	1883	10
1844	11	1884	10
1845	13	1885	9⅞
1846	13	1886	10
1847	12	1887	10½
1848	11	1888	10⅜
1849	10	1889	11
1850	11	1890	11
1851	12½	1891	9¾

Average for eighty years 15½d. per lb.

No. 56.—Prices of Alpaca and Mohair, from 1856.

Bradford Observer.

Date.	Average Price of Alpaca (Arequipa).	Highest and Lowest Prices of Mohair.
	s — d	*s — d*
1856 Nov. . .	2/6 to 2/9	2/- to 2/2
Dec. . .	2/9 " 2/10	2/2 " 2/4
1857 Feb. . .	2/9 " 2/10	2/4 " 2/6
June . .	3/- " 3/3	
Dec. . .	3/- " 3/1½	2/7 " 2/9
1858	2/3	2/6 " 3/-
1859	2/3	3/-
1860	2/3	3/2
1861	2/3	3/2
1862 Jan. . .	2/6	3/3
July . .	2/9½	3/-
1863 Jan. . .	3/4	3/9
July . .	2/6	3/4
1864	2/7	3/3
1865	2/10	2/11
1866 Jan. . .	3/4	3/8
July . .	3/4	3/8
1867 Jan. . .	3/4½	3/9
Aug. .	2/8	2/9
Sept. .		
1868 Jan. . .	2/4	2/5
July . .	3/-	3/2
1869 Jan. . .	2/5 to 2/7	3/7
July . .	2/4 " 2/5	3/8
1870 Jan. . .	2/4	3/10 to 3/11
July . .	2/8	4/1
1871 Jan. . .	2/8	3/3
June . .	2/9½ to	3/6
1872 Jan. . .	2/11	3/9
July . .	2/6	3/5
1873 Jan. . .	2/7	3/4
July . .	2/9	3/-
1874 Jan. . .	2/9	2/11
July . .	2/11	3/9
1875 Jan. . .	2/9	3/5
July . .	2/8	3/10
1876 Jan. . .	2/6	3/7
1877	2/2½ to 2/4½	2/9 2/11 2/6
1878	1/3½ " 1/4½	2/6 to 2/9
1879	1/4 " 1/7	20 " 21
		18 " 2/3
1880	13 " 15½	2/3 " 2/11
		down to 1/9
1881	15 " 17	21 " 19
1882	13 " 15	19 " 22½
1883	15½ " 17	20 " 21½
1884	14 " 16½	18½ " 22½
1885	12½ " 14½	14 " 19
1886	11 " 14	11½ " 16
1887	11 " 13½	12½ " 14½
1888	10 " 11½	12 " 14
1889	10¾ " 24	12½ " 21
1890	22 " 14½	18 " 13½
1891	14¾ " 12¼	14 " 12

No. 57.—Prices per Pound in each Year of some Colonial and Foreign Wools.

Bradford Observer.

	*Port Philip Fleece, average.	*Port Philip Grease, good average.	*Adelaide Grease, average.	*Cape, Eastern, average fleece.	†Buenos Ayres, average grease.	†Donskoi average white carding.
	d.	*d.*	*d.*	*d.*	*d.*	*d.*
1872	25 3/4	15 1/2	12 5/8	17 3/8	7 3/4	13 1/2
1873	25	15 1/4	11 3/4	15 1/2	7	10
1874	23 1/2	14 5/8	11 1/2	16 1/8	7 1/2	10 1/2
1875	22	13 1/2	10 5/8	15 1/8	7 1/4	11
1876	20 1/4	12 1/8	9 1/8	12 7/8	7 1/4	10 1/2
1877	20 1/4	12 1/8	9 1/8	12 1/2	6 1/4	9 1/4
1878	20	12	9 1/8	11 5/8	5 3/4	7 1/2
1879	18 3/4	11 5/8	8 1/2	11 1/8	6 3/4	9 1/2
1880	21 1/2	13 1/2	10 5/8	12 5/8	7 1/2	10 1/2
1881	19 1/2	12	9 1/4	11 1/4	7	9 1/2
1882	19 3/4	12 1/2	9	11 5/8	6 3/4	8 3/4
1883	19	12 1/8	8 1/2	11 1/4	6 1/2	8
1884	18 1/4	11 1/2	8 1/8	10 3/8	6	7 1/4
1885	16 1/2	10	6 3/4	9	4 1/2	7 1/4
1886	15 1/2	9 3/4	6 3/4	8 3/4	5 3/4	8 1/2
1887	15 3/4	10 1/8	7	9	5 1/4	7
1888	15 3/4	10 1/4	7	8 5/8	6	7
1889	17 1/4	11 1/2	8 1/4	10 1/8	6 3/4	7 1/2
1890	16	10 3/4	7 1/2	9 1/2	5 3/4	7 1/4
1891	14 3/4	10	6 7/8	8 3/4	5	7

* Average prices. † Prices at end of year.

No. 58. — Course of the Liverpool Wool Market.

J. L. Bowes and Bro.

	Prices.				
	Clothing Wool (Fine).				
	Average for 10 years.	Jany. 1st, 1891.	Decr. 31st, 1891.	Change in 1891.	Change as compared with average for 10 years.
	Pence.	*Pence.*	*Pence.*	*Per cent.*	*Per cent.*
Port Philip, unwashed, good	11.97	11½	10½	8.69	12.28
New Zealand, unwashed, good	10.62	10	9	10.00	15.25
Buenos Ayres, unwashed, average	6.57	6½	5¼	19.23	20.10
Clothing Wool — Coarse.					
Peruvian, washed, average	9.05	9	7¾	13.88	14.36
Lima, unwashed, average	7.22	7¼	6¼	13.79	13.43
Abudia, unwashed, average	6.30	6½	5⅝	11.54	8.73
Sheepskins.					
B. Ayres, full woolen matadero	6.65	5¾	5¼	8.70	21.05
Combing Wool.					
Lincoln, hog fleeces	11.15	10⅛	9⅜	8.53	15.92
Lincoln, wether fleeces	10.40	9⅛	8⅞	4.06	14.66
Kent, wether fleeces	10.95	10½	9¾	7.14	10.96
Sussex, Down fleeces, flocks	13.52	12	12	Same.	11.25
Alpaca, Islay fleece, average good	14.92	15	12½	16.63	16.22
Alpaca, Callao fleece, average	10.47	10	9	10.00	14.04
Mohair, Turkey fleece, average fair	16.77	14	12¾	8.93	23.97
Carpet and Blanket Wools.					
East India, 1st Joria, white	11.37	10¾	10	6.98	12.05
East India, 1st Candahar, white	10.25	9¼	8	13.52	21.95
East India, Pac Pathan, yellow	8.20	8⅛	7⅛	12.12	11.58
East India, ordinary, yellow	7.30	7⅛	6⅛	10.34	10.96
English Noils, medium	10.15	9⅛	9⅛	Same.	8.86
Oporto, washed fleece	9.87	9½	8¼	13.16	16.41
Egyptian, washed, 1st white	10.77	10	9	10.00	16.43
Donskoi, washed, carding	7.90	7⅛	7	3.45	11.39
Scotch, Highland, laid	4.42	4⅛	4	5.88	9.50

No. 59. — Quantities and Values of Manufactures of Wool Imported into Great Britain, 1861-1891.

Years.	Woolen rags.		Berlin wool and yarn used for fancy purposes.		Yarns for weaving.		All other manufactures of wool.	Total value.
	Tons.	£	*Pounds.*	£	*Pounds.*	£	£	£
1861	10,653	336,107	214,217	58,910	1,362,874	306,648	1,419,336	2,121,001
1865	14,585	565,861	211,244	58,092	4,180,846	940,692	1,891,104	3,455,749
1870	17,210	400,326	611,013	123,984	9,683,402	1,511,170	3,362,656	5,398,136
1871	24,219	498,754	464,058	81,883	11,665,465	1,097,289	4,637,625	6,315,551
1872	29,302	534,329	423,563	83,010	11,706,427	1,382,084	4,038,666	6,038,089
1873	24,827	468,556	325,259	59,194	13,169,662	1,496,463	3,846,662	5,870,875
1874	25,581	547,399	533,320	107,471	13,131,850	1,494,945	3,973,811	6,123,626
1875	25,415	599,402	727,214	145,049	11,700,928	1,327,887	4,308,357	6,380,695
1876	28,847	660,260	841,878	162,387	12,909,902	1,538,496	4,920,711	7,281,854
1877	33,408	760,256	976,044	190,369	12,948,662	1,540,239	5,235,948	7,726,812
1878	32,376	739,137	1,028,550	204,428	11,343,339	1,365,431	5,934,748	8,243,744
1879	33,309	660,046	887,233	167,719	10,022,139	1,233,402	5,637,675	7,698,842
1880	41,266	820,365	752,700	128,176	14,194,979	1,713,959	7,649,778	10,312,279
1881	35,265	761,591	663,922	117,080	10,068,329	1,236,737	5,985,863	8,101,271
1882	37,511	820,616	938,819	166,373	12,731,339	1,585,325	5,982,449	8,554,763
1883	35,767	757,277	951,221	170,593	14,558,567	1,831,010	6,251,281	9,010,161
1884	31,022	678,525	1,094,620	200,440	13,341,685	1,675,019	6,831,737	9,385,721
1885	32,642	681,995	1,255,425	221,412	14,632,653	1,774,399	7,374,808	10,052,614
1886	30,526	638,274	1,420,393	263,820	18,620,957	2,228,715	8,067,776	11,198,585
1887	31,670	664,122	1,188,556	213,842	16,088,197	1,905,566	7,711,227	10,494,757
1888	31,643	658,220	1,176,067	206,313	16,517,044	1,866,534	8,803,348	11,534,424
1889	31,335	669,438	1,244,985	219,287	19,051,354	2,204,156	9,784,068	12,876,949
1890	34,659	716,379	1,235,931	219,567	15,144 054	1,715,494	9,321,930	11,973,370
1891	36,915	. . . . .	. . . . .	. . . . .	15,336,000	1,739,000	. . . . .	[1]12,520,000

[1] Estimated.

No. 60. — Quantities and Values of British Manufactures of Wool Exported, 1861-1891.

[.000 omitted. One pound sterling equals $4.8665.]

Years.	Alpaca, Mohair, etc.		Yarns, Woolen, Worsted.		Cloths, Coatings, etc., unmixed and mixed.		Flannels, Blankets, Carpeting, and Baizes.		Stuffs, unmixed and mixed.		Carpets and Druggets.		All other.	Total value.
	Pounds.	£	*Pounds.*	£	*Yards.*	£	*Yards.*	£	*Yards.*	£	*Yards.*	£	£	£
1861	. . . .	. . . .	26,492	3,325	24,371	2,998	13,403	1,031	122,555	6,121	4,067	508	458	14,444
1865	. . . .	. . . .	30,425	5,110	25,615	4,023	14,769	1,203	233,078	13,360	5,743	861	692	25,251
1870	. . . .	. . . .	35,536	4,994	32,404	4,749	14,985	1,078	235,936	13,788	9,374	1,393	654	26,659
1871	. . . .	. . . .	43,725	6,100	35,583	5,563	14,091	1,030	307,235	17,953	10,957	1,648	987	33,283
1872	. . . .	. . . .	39,734	6,110	40,734	6,991	15,022	1,104	344,968	20,905	11,815	1,916	1,464	38,493
1873	. . . .	. . . .	34,744	5,393	38,633	6,599	14,447	1,089	282,884	14,277	9,921	1,597	1,785	30,743
1874	. . . .	. . . .	34,981	5,558	40,331	6,642	16,004	1,318	261,135	11,888	9,208	1,480	1,471	28,359
1875	. . . .	. . . .	31,723	5,099	42,058	6,850	16,109	1,239	251,845	11,159	7,522	1,159	1,249	26,758
1876	. . . .	. . . .	30,854	4,417	40,479	6,451	13,902	1,014	221,561	9,141	6,298	911	1,083	23,020
1877	. . . .	. . . .	26,972	3,609	44,125	6,567	16,058	1,176	194,777	7,725	6,454	847	1,025	20,952
1878	. . . .	. . . .	31,189	3,908	43,529	6,263	15,237	1,070	192,482	7,443	6,626	840	1,110	20,635
1879	. . . .	. . . .	33,378	3,714	46,258	6,145	11,663	806	186,646	6,921	6,606	803	1,184	19,575
1880	. . . .	. . . .	26,464	3,344	50,000	6,736	13,086	897	189,940	7,241	9,328	1,133	1,256	20,609
1881	. . . .	no ret'rn	678	29,731	3,225	55,679	7,552	15,378	972	192,106	7,237	9,711	1,164	1,201	22,033
1882	. . . .	8,752	928	31,832	3,398	54,129	7,708	17,317	1,091	182,444	7,332	11,318	1,326	1,309	23,096
1883	. . . .	8,056	954	33,488	3,266	46,068	7,351	13,572	837	185,565	7,687	10,699	1,258	1,179	22,536
1884	. . . .	11,503	1,190	39,272	3,890	45,959	7,931	15,653	911	217,121	8,718	11,540	1,258	1,316	25,217
1885	. . . .	12,193	1,198	43,491	4,382	45,954	7,702	17,182	936	198,764	7,741	11,082	1,188	1,278	24,428
1886	. . . .	14,432	1,383	45,650	4,411	51,241	8,446	18,112	942	198,602	7,652	11,647	1,233	1,465	25,534
1887	. . . .	12,196	1,082	40,153	3,970	56,158	9,370	18,857	964	200,984	7,424	12,947	1,309	1,528	25,646
1888	. . . .	11,320	963	42,630	4,052	58,568	9,653	24,210	1,094	176,880	6,359	11,901	1,228	1,659	25,007
1889	. . . .	13,343	1,179	45,360	4,342	62,767	10,604	23,379	1,135	178,042	6,547	12,090	1,271	1,768	26,846
1890	. . . .	12,960	1,175	41,082	4,086	84,042	11,126	21,333	1,097	145,079	5,251	10,737	1,115	1,830	25,680
1891	. . . .	13,582	1,132	41,432	3,910	80,789	10,423	[1] 11,688	[2] 966	119,978	4,358	10,514	1,092	1,613	23,494

Classification of cloths, coatings, and stuffs changed in 1890.

[1] Blankets not included.

[2] Includes value of blankets.

No. 61.— Woolen and Worsted Mills in Great Britain.

Official Returns under Factories and Workshops Act.

Number of	1870.		1874.		1878.		1885.		1889.	
	Woolen.	Worsted.	Woolen.	Worsted.	Woolen.	Worsted.	Woolen.	Worsted.	Woolen.	Worsted.
Factories	1,829	630	1,800	692	1,732	693	1,918	725	1,793	753
Spinning spindles	2,531,768	1,821,144	3,165,569	2,182,792	3,337,607	2,096,820	3,054,144	2,227,192	3,107,209	2,402,922
Doubling spindles	160,993	310,308	158,312	399,658	318,154	456,114	230,941	536,329	299,793	669,328
Power looms	48,140	64,654	57,090	81,747	56,944	87,393	57,990	79,931	61,831	67,391
Total males employed	59,818	34,431	61,740	42,881	59,086	39,601	64,462	46,641	67,303	51,000
Total females employed	59,677	56,820	64,599	69,388	65,848	69,784	69,622	73,277	76,492	79,452
Total children employed	5,635	18,306	8,266	29,828	9,410	21,540	5,232	18,312	4,934	17,872
Total employees	125,130	109,557	134,605	142,097	134,344	130,925	139,316	138,230	148,729	148,324

FRANCE.

No. 62.—Quantities and Values of Wool and Manufactures of Wool Imported into and Exported from France, 1861–1889.

[One kilogram equals 2.20462 pounds. One franc equals 19.3 cents. .000 omitted.]

Years.	Imports.			Exports.			
	Wool, raw.		Value of Wool manufactures.	Wool, raw.		Value of Wool manufactures.	
	Quantity.	Value.		Quantity.	Value.	Yarn.	Other manufactures.
	Kilogr.	*Francs.*	*Francs.*	*Kilogr.*	*Francs.*	*Francs.*	*Francs.*
1861	55,359	166,100	20,600	6,448	21,000	. . . .	188,000
1862	48,826	180,700	41,000	12,177	45,100	12,500	221,700
1863	63,792	218,800	33,400	11,006	48,200	15,200	293,600
1864	63,028	214,300	32,000	12,141	51,100	19,100	355,900
1865	72,663	236,200	38,100	7,913	33,000	21,200	302,800
1866	86,261	245,800	42,800	10,089	33,500	23,600	301,700
1867	93,205	223,700	42,100	13,611	43,200	30,800	236,800
1868	110,700	237,900	54,500	12,067	36,500	25,000	224,900
1869	108,600	206,300	64,300	17,147	44,700	27,800	268,300
1870	88,147	189,500	57,900	21,300	59,100	24,700	231,600
1871	101,958	193,700	76,500	29,881	75,300	40,600	254,400
1872	107,862	324,900	99,900	22,504	102,200	31,100	314,500
1873	120,545	325,600	59,700	19,445	86,600	31,300	325,900
1874	117,353	310,987	66,600	24,413	104,200	36,900	328,000
1875	128,010	326,522	78,100	21,617	84,100	39,720	346,400
1876	123,178	277,200	79,000	21,077	74,800	28,600	316,500
1877	134,235	315,500	68,600	21,443	77,100	26,800	325,100
1878	144,100	334,617	68,700	27,072	89,725	37,200	312,800
1879	134,214	288,728	68,176	34,996	117,222	43,692	309,297
1880	151,067	370,224	79,100	35,062	132,456	49,300	370,200
1881	138,332	304,333	76,991	29,479	105,618	38,147	360,717
1882	140,983	303,126	84,290	29,555	95,360	39,849	401,900
1883	157,112	330,087	91,858	31,448	95,139	34,602	370,106
1884	165,956	332,105	88,799	32,917	95,999	32,337	334,294
1885	167,356	276,442	75,523	36,981	90,833	35,605	330,094
1886	193,274	386,851	70,821	48,825	132,018	43,896	375,583
1887	177,464	336,056	63,872	44,429	120,011	39,622	350,447
1888	175,519	341,252	65,176	47,079	131,284	37,160	323,376
1889	194,260	389,347	67,823	57,885	168,840	55,537	364,416

No. 63.—Sheep Census of France.

De Foville's "La France Economique," 1889.

1786	20,000,000	1862	29,500,000
1812	27,000,000	1866	30,400,000
1829	29,000,000	1872	24,600,000
1840	32,000,000	1882	23,800,000
1852	33,000,000	1887	22,900,000

The average value per head of sheep was placed in 1882 at 27 francs.

No. 64.—The Wool Clip of France.

The French clip was estimated by Chaptel in 1812 at 380,000 quintals [220½ pounds], and valued at 80,000,000 francs. In 1860 the official estimate was 600,000 quintals, valued at 200,000,000 francs. The official statistics of the wool productions are as follows for later years: —

1883	355,000 quintals.	78,277,000 pounds.
1885	475,000 "	104,737,000 "
1886	530,000 "	116,837,000 "
1887	566,000 "	124,803,000 "

No. 65.—Progress of the Wool Industry of France.

[From the "Annuaire de Statistique de la France," 1872-1888.]

Years.	Factories.	Persons employed.	Spindles.	Looms.		Wool imported for home consumption.
				Machine.	Hand.	
						Pounds.
1872	. . . .	. . . .	2,899,894	. . . .	. . . .	237,727,848
1773	. . .	. . . .	2,898,929	23,725	. . . .	265,681,180
1874	. . . .	. . . .	2,955,139	27,557	. . . .	258,646,012
1875	2,270	95,779	2,969,522	30,114	56,895	282,134,040
1876	2,099	110,954	2,946,632	38,267	62,230	271,484,312
1877	2,198	108,049	3,007,351	28,188	54,434	295,853,940
1878	2,306	105,839	2,995,406	30,139	41,603	317,596,400
1879	2,200	108,086	3,022,777	35,274	42,934	295,807,656
1880	1,926	110,904	3,037,837	41,044	37,632	332,951,668
1881	1,915	111,523	3,067,459	41,466	37,140	304,883,728
1882	1,915	113,220	3,063,961	44,516	37,127	310,726,532
1883	2,020	112,782	3,097,363	45,682	37,620	346,369,115
1884	1,969	110,578	3,062,068	44,699	32,430	365,866,597
1885	1,882	112,447	3,266,107	46,319	30,101	368,953,037
1686	1,926	115,024	3,283,589	45,951	28,446	426,091,860
1887	1,987	109,372	3,151,871	44,682	25,399	391,237,134
1888	. . . .	. . . .	3,329,138	. . . .	. . . .	386,949,187

No. 66.—Quantities and Values of Wool and Manufactures of Wool Imported into Germany, 1875-1889.

[One kilogram equals 2.20462 pounds. One mark equals 23.8 cents.

Year.	Wool, raw.		Manufactures of Wool.			
			Woollen yarn.		Cloth.	
	Quantities.	Values.	Quantities.	Values.	Quantities.	Values.
	100 *kilogs.*	*Marks.*	100 *kilogs.*	*Marks.*	100 *kilogs.*	*Marks.*
1875	565,000	203,000,000	163,000	103,000,000	70,338	80,350,000
1876	650,000	208,000,000	152,000	89,200,000	67,299	74,430,000
1877	685,000	212,000,000	136,000	74,900,000	57,237	60,352,000
1878	680,000	211,000,000	152,000	79,800,000	50,000	49,000,000
1879	925,000	268,000,000	187,000	94,300,000	69,750	66,206,000
1880	677,500	206,267,000	149,000	93,110,000	23,350	21,339,000
1881	773,700	193,430,000	157,000	84,988,000	21,300	19,972,000
1882	885,000	203,555,000	161,000	83,584,000	14,800	14,342,000
1883	909,693	200,133,000	167,000	80,479,000	12,918	12,439,000
1884	1,056,662	221,899,000	190,000	93,396,000	12,722	11,882,000
1885	987,901	167,943,000	193,178	95,806,000	13,610	11,674,000
1886	1,086,854	217,371,000	202,578	110,471,000	13,548	11,535,000
1887	1,108,466	216,151,000	181,880	94,374,000	12,639	10,778,000
1888	1,315,356	247,287,000	189,813	92,833,000	12,038	10,221,000
1889	1,398,722	279,744,000	215,972	112,629,000	14,292	12,496,000

No. 67.—Quantities and Values of Wool and Manufactures of Wool Exported from Germany, 1875-1889.

[One kilogram equals 2.30462 pounds. One mark equals 23.8 cents.]

Year.	Wool, raw.		Manufactures of Wool.				Total Value Manufactures.
			Woollen Yarn.		Other Manufactures.		
	Quantities.	Values.	Quantities.	Values.	Quantities.	Values.	
	100 *kilogs.*	*Marks.*	100 *kilogs.*	*Marks.*	100 *kilogs.*	*Marks.*	*Marks.*
1875	199,500	(*a*)	38,700	29,400,000	129,000	(*a*)	(*a*)
1876	199,000	(*a*)	33,700	23,600,000	117,150	(*a*)	(*a*)
1877	222,500	(*a*)	41,400	27,300,000	169,300	(*a*)	(*a*)
1878	213,000	(*a*)	50,500	30,300,000	124,800	(*a*)	(*a*)
1879	225,000	(*a*)	42,000	24,400,000	123,300	(*a*)	(*a*)
1880	143,250	50,139 000	50,000	32,648,000	167,150	171,161,000	203,809,000
1881	120,850	48,340,000	45,000	29,599,000	184,200	187,086,000	216,685,000
1882	134,500	49,698,000	50,000	34,027,000	192,500	177,579,000	211,606,000
1883	127,216	45,798,000	48,000	30.693,000	198,622	180,146,000	210,839,000
1884	119,140	39,316,000	52,000	32,730,000	214,100	185,162,000	217,232,000
1885	100,952	27,257,000	56,794	36,238,000	206,805	158,363,000	194,601,000
1886	130,325	40,401,000	64,070	44,789,000	223,893	172,339,000	217,128,000
1887	99,651	30,394,000	60,392	39,990,000	235,670	180,027,000	220,017,000
1888	128,383	37,873,000	68,813	42,847,000	233,064	189,748,000	232,595,000
1889	109,178	33,299,000	65,578	43,221,000	205,897	172,622,000	215,843,000

a No data.

BELGIUM.

No. 68.—Quantities and Values of Wool and Manufactures of Wool Imported into and Exported from Belgium, 1874-1889.

[One kilogram equals 2.20462 pounds; one franc equals 19.3 cents. .000 omitted.]

Years.	Imports.			Exports.			
	Wool, raw.		Manufactures of Wool.	Manufactures of Wool.			
				Yarn.		Other Manufactures.	
	Quantity.	Value.	Value.	Quantity.	Value.	Quantity.	Value.
	Kilogr.	*Francs.*	*Francs.*	*Kilogr.*	*Francs.*	*Kilogr.*	*Francs.*
1874. . .	51,054	114,871	26,318	4,949	49,369	2,792	43,390
1875. . .	45,825	114,562	26,765	4,571	47,854	2,608	41,628
1876. . .	51,905	155,714	25,710	3,689	39,527	2,318	38,953
1877. . .	48,954	159,099	22,981	4,880	48,890	2,256	34,195
1878. . .	46,541	146,604	21,946	6,392	67,511	2,723	38,960
1879. . .	43,287	140,683	19,266	6,541	63,551	1,938	25,754
1880. . .	49,265	184,743	23,494	7,699	78,516	1,948	27,903
1881. . .	45,509	177,485	22,746	7,790	73,987	2,180	31,365
1882. . .	57,005	114,010	22,210	6,864	41,961	2,356	30,380
1883. . .	48,358	96,716	20,817	8,966	55,240	1,982	25,168
1884. . .	36,417	72,835	21,025	8,911	53,227	2,219	26,469
1885. . .	43,802	76,654	21,948	9,379	46,768	2,550	28,535
1886. . .	39,199	68,597	20,137	11,225	56,041	2,091	22,537
1887. . .	44,377	77,660	20,301	11,581	54,606	2,162	23,450
1888. . .	38,084	66,646	19,820	11,994	55,677	2,331	25,346
1889. . .	44,164	88,328	19,586	12,658	62,663	2,448	26,557

No. 69.—Quantities and Values of Wool and Manufactures of Wool Imported into and Exported from Austria-Hungary, 1875-1889.

[One metric centner equals 220.4621 pounds. One gulden equals 48.5 cents.]

Years.	Imports.						Exports.			
	Wool, raw.		Woollen Yarn.		Other Manufactures.		Wool, raw.		Manufactures of Wool.[1]	
	Quantity.	Value.	Quantity.	Value.	Quantity.	Value.	Quantity.	Value.	Quantity.	Value.
	Met. ctr.	*Gulden.*	*Met. ctr.*	*Gulden.*	*Met. ctr.*	*Gulden.*	*Met. ctr.*	*Gulden.*	*Met. ctr.*	*Gulden.*
1875	(*a*)	(*a*)	34,062	14,090,000	41,557	26,696,000	(*a*)	(*a*)	37,921	20,718,000
1876	(*a*)	(*a*)	27,642	9,898,000	35,212	21,963,000	(*a*)	(*a*)	37,675	21,314,000
1877	(*a*)	(*a*)	34,249	11,769,000	26,412	15,844,000	(*a*)	(*a*)	38,643	20,883,000
1878	(*a*)	(*a*)	35,646	11,225,000	37,358	20,131,000	(*a*)	(*a*)	43,587	25,114,000
1879	192,959	34,482,000	38,497	13,623,000	31,811	19,579,000	76,251	15,009,000	49,338	27,616,000
1880	189,478	35,934,000	36,764	13,692,000	33,103	21,043,000	120,469	26,267,000	43,676	24,401,000
1881	210,902	40,181,000	38,763	14,161,000	34,052	21,411,000	94,631	19,768,000	53,637	30,335,000
1882	238,585	38,863,000	42,924	14,943,000	34,726	22,350,000	96,997	20,379,000	52,840	30,025,000
1883	244,856	37,075,000	42,343	13,029,000	30,352	19,263,000	122,901	24,605,000	46,680	26,235,000
1884	255,856	38,420,000	49,548	14,708,000	28,100	18,017,000	113,748	21,923,000	50,822	26,615,000
1885	219,701	26,648,000	47,493	12,278,000	22,256	13,801,000	91,989	13,919,000	46,761	21,846,000
1886	207,500	31,498,000	48,417	13,596,000	20,623	13,348,000	128,817	24,365,000	53,393	27,357,000
1887	241,581	41,208,000	52,131	16,417,000	18,802	12,034,000	65,751	14,916,000	47,940	25,126,000
1888	226,194	36,653,000	56,153	16,534,000	17,320	9,858,000	89,883	18,740,000	47,752	24,910,000
1889	287,180	49,915,000	60,191	19,791,000	18,133	10,129,000	127,543	29,488,000	52,808	25,315,000

[1] Yarn not included.

a Not stated.

No. 70.—Quantities of Wool and Manufactures of Wool Imported into and of Wool Exported from Denmark, 1874-1888.

[One pound equals 1.1025 pounds.

Years.	Imports.		Exports.
	Wool, raw.	Manufactures of wool.	Wool, raw.
	Pund.	*Pund.*	*Pund.*
1874	1,392,091	4,106,930	3,967,986
1875	1,376,399	4,449,805	3,582,662
1876	1,292,834	4,118,877	3,869,789
1877	1,638,146	3,573,974	4,231.661
1878	1,939,641	3,580,007	3,417,483
1879	1,572,275	4,145,125	4,004,440
1880	1,669,408	4,775,051	4,372,171
1881	1,961,046	4,960,478	4,515,293
1882	2,867,862	5,227,868	4,103,886
1883	2,233,953	5,524,364	4,625,936
1884	2,348,541	5,699,830	3,333,405
1885	2,233,790	5,445,118	3,431,238
1886	2,208,831	4,847,662	3,821,279
1887	2,674,420	6,043,865	3,167,164
1888	2,794,647	6,141,384	2,775,325
1889	3,187,916	5,967,312	2,264,488

AUSTRALASIA.

No. 71. Sheep Census.

	1871.	1881.	1889.	1891.
	Number.	*Number.*	*Number.*	*Number.*
New South Wales . . .	16,278,697	36,591,946	46,503,469	55,986,431
Victoria	10,002,381	10,267,265	10,818,575	12,736,143
Queensland	7,403,334	8,292,883	13,444,005	18,007,234
South Australia	4,412,055	6,810,856	7,150,000	7,004,642
Western Australia . . .	670,999	1,267,912	2,112,393	2,524,903
Tasmania	1,305,489	1,847,479	1,430,065	1,619,256
New Zealand	9,700,629	12,985,085	16,677,445	16,749,692
Total	49,773,584	78,063,426	98,135,952	114,628,301

New South Wales averages 2.46 acres, and Victoria 1.61 acres per sheep. Their limit for sheep production is already reached. Western Australia has one sheep per 158.56 acres, South Australia one to 46.33 acres, Australasia has 30.5 sheep to each inhabitant.

Average Weight of Australasian Fleece.

1860, 2.94 lb. per sheep of greasy, 1.70 lb. of washed wool; 1870, 3.52 greasy, 2.29 washed; 1880, 4.29 greasy, 2.36 washed; 1890, 5.75 greasy, 3 lb. 2 oz. washed.

No. 72. Exports from Australasia to United States, direct. 1871-1891.

U.S. Consul, G. W. Griffin.

	Bales.		Bales.
1871-72	18,659	1882-83	5,794
1872-73	11,851	1883-84	14,863
1873-74	9,745	1884-85	6,221
1874-75	19,042	1885-86	20,161
1875-76	5,032	1886-87	15,360
1876-77	7,567	1887-88	22,379
1877-78	5,071	1888-89	37,175
1879-80	17,551	1889-90	12,340
1880-81	3,372	1890-91	31,900
1881-82	11,070		

No. 73. — Australasian Wool Exports from 1881-82 to 1890-91.

Dalgety & Co.

Colony.	1881-82.	1882-83.	1883-84.	1884-85.	1885-86.	1886-87.	1887-88.	1888-89.	1889-90.	1890-91.
	Bales.	*Bales.*	*Bales.*	*Bales.*	*Bales.*	*Bales.*	*Bales.*	*Bales.*	*Bales.*	*Bales.*
Victoria	338,861	313,318	331,552	329,911	315,650	331,998	347,869	352,982	418,918	408,193
New South Wales	239,773	264,721	317,804	293,296	346,145	332,961	397,271	453,601	461,208	546,912
Queensland	53,128	53,637	74,849	73,092	72,717	65,305	88,808	106,222	93,381	112,801
South Australia	149,485	150,118	120,870	152,387	130,924	148,120	150,027	133,139	147,614	153,552
West Australia	10,921	10,978	12,634	14,548	14,343	16,373	16,438	21,881	23,999	29,460
Tasmania	20,477	20,718	18,899	17,268	16,435	17,621	16,657	19,536	19,251	20,155
New Zealand	194,056	215,472	226,984	232,100	244,617	271,895	256,419	267,289	264,161	293,556
Total	1,006,701	1,028,962	1,103,592	1,112,602	1,140,831	1,184,273	1,273,489	1,354,650	1,428,532	1,564,629
Increase over previous year	. . . . .	22,261	74,630	9,010	28,229	43,442	89,216	81,161	73,882	136,097

No. 74. — Sales of Wool in Australasian Markets, Bales.

Season.	Sydney.	Melbourne and Geelong.	Adelaide.	Tasmania.	New Zealand.	Total.	As compared with London sales of Australasian Wool.
1884-5	109,000	192,000	32,000	. . . . .	. . . . .	333,000	. . . . .
1885-6	106,000	176,000	32,000	. . . . .	. . . . .	314,000	. . . . .
1886-7	120,000	180,000	38,000	. . . . .	. . . . .	338,000	. . . . .
1887-8	145,000	190,000	35,000	. . . . .	. . . . .	370,000	1888 — 1,159,556
1888-9	200,000	225,000	43,000	. . . . .	. . . . .	468,000	1889 — 1,111,347
1889-90	235,000	286,000	48,000	3,500	67,000	639,500	1890 — 1,082,584
1890-1	250,000	[1]250,000	45,000	3,500	59,000	607,500	. . . . .

[1] Number of bales sold in Geelong, 48,000.

No. 74A.—A Summary of Wool Sales in Sydney, March 1, 1891, to February 4, 1892.

Goldsbrough, Mort, & Co., Limited, February 8, 1892.

	No. of Sales.	Bales Offered.	Bales Sold.
Goldsbrough, Mort, & Co., Limited	35	87,169	61,447
Harrison, Jones, & Devlin, Limited	30	56,437	43,012
J. Bridge & Co.	28	40,853	32,911
Winchcombe, Carson, & Co.	30	31,042	25,293
Hill, Clark, & Co.	21	27,786	23,261
New Zealand Loan Agency Co.	21	30,578	22,987
(Pastoralists' Association Limited)	21	23,965	20,885
Dalgety & Co., Limited	20	23,733	17,743
F. L. Barker	21	11,236	10,317
Australasian Mortgage Co., Limited	14	13,135	8,776
J. C. Young & Co.	5	2,266	1,666
Brunker & Wolfe	1	80	80
Other Firms	—	254	221
Total	247	348,534	268,599

SHIPMENTS TO DATE.

Colony.	Date.	1891-92. Bales.	1890-91. Bales.	1889-90. Bales.
Victoria	Feb. 1	383,710	348,506	363,198
New South Wales	" 1	449,599	375,829	395,468
South Australia	" 3	147,009	137,654	141,297
Queensland	" 5	135,933	96,027	87,476
West Australia	Dec. 31	11,825	11 663	14,183
Tasmania	Feb. 1	14,579	14,049	13,957
New Zealand	Jan. 31	162,883	169,072	158,348
Total		1,305,538	1,152,800	1,173,927

Increase to date as compared with the corresponding period last year, 152,738 bales. The total production will again show a substantial increase, although an estimate would at present be hazardous.

Throughout the whole of the pastoral areas the prospects of the season are prosperous. In New South Wales the rainfall has been somewhat light, but is not a cause for anxiety at present, feed being abundant. Bush fires have been rather prevalent, and in some districts have caused loss.

Rates of freight to London per sailing-vessel are $\frac{3}{8}$d. per lb. for Greasy, and $\frac{1}{2}$d. per lb. for Washed; and per steamer 9-16d. for Greasy, and 11-16d. for Washed, for March-April London sales.

Exchange on London, 60 days' sight at $\frac{1}{2}$ per cent. discount buying, and $\frac{1}{2}$ per cent. premium selling.

No. 75.—Destination of Australasian Wool Shipments in Bales, 1883-4—1890-91.

Henry Martin's Circular.

Season.	London.	Other Ports in Unit. Kingdom.	Continent of Europe.	United States.	Japan.	Hongkong and Calcutta.	Total.	Increase.
1883-4	. . . . .	*	50,758	22,575	. . . . .	. . . . .	1,111,846	. . . . .
1884-5	1,033,756	*	71,469	6,621	. . . . .	. . . . .	1,130,554	2 per et.
1885-6	1,042,926	*	63,859	24,457	. . . . .	212	1,181,824	4½ "
1886-7	1,048,884	*	117,699	15,138	. . . . .	103	1,272,749	7½ "
1887-8	1,153,598	*	97,238	21,913	. . . . .	. . . . .	1,334,798	5 "
1888-9	1,157,991	*	139,083	36,724	1,000	. . . . .	1,458,247	9 "
1889-90	1,155,004	56,000	233,715	11,341	2,187	. . . . .	1,616,205	11 "
1890-1	1,303,958	13,355	270,293	26,828	1,724	47	1,616,205	

* No record kept.

No. 76. Detailed Statement for Season, 1890-1.

	United Kingdom.					Continent of Europe.								United States.	Japan.	Hongkong.	Grand Total.
	London.	Hull.	Goole.	Grimsby.	Total.	Genoa.	Marseilles.	Dunkirk.	Antwerp.	Bremen.	Hamburg.	Optional.	Total.				
N. S. Wales . .	409,679	748	. . .	. . .	410,427	149	1,387	14,280	99,131	6,513	15,289	[1]13,617	150,366	2,986	465	47	564,291
Victoria	281,118	9,535	1,607	928	293 188	67	1,300	32,362	53,163	4,490	9,913	479	101,774	23,385	1,259	. .	419,606
South Australia,	136,254	537	. . .	. .	136,791	. .	1,651	2,532	13,474	95	401	. . .	18,153	457	. . .	. .	155,401
Queensland . .	121,070	. . .	. . .	. .	121,070	. .	. . .	. . .	. . .	. . .	. . .	. . .	. . .	. . .	. . .	. .	121,070
West. Australia,	25,564	. . .	. . .	. .	25,564	. .	. . .	. . .	. . .	. . .	. . .	. . .	. . .	. . .	. . .	. .	25,564
Tasmania . . .	20,273	. . .	. . .	. .	20,273	. .	. . .	. . .	. . .	. . .	. . .	. . .	. . .	. . .	. . .	. .	20,273
New Zealand .	310,000	. . .	. . .	. .	310,000	. .	. . .	. . .	. . .	. . .	. . .	. . .	. . .	. . .	. . .	. .	310,000
	1,303,958	10.820	1,607	928	1,317,313	216	4,338	49,174	165,768	11,098	25,603	14,096	270,293	26,828	1,724	47	1,616,205

[1] Chiefly Antwerp, option some other continental port.

ARGENTINE REPUBLIC.

No.77.—Official Return of Exports of Wool and Sheepskins.

Year.	Unwashed Wool.		Unwashed Sheepskins.		Amt. of Wool on Sheepskins.[1]	Total.
	Quintals.[2]	English lbs.	Quintals.	English lbs.	English lbs.	English lbs.
1866	1,176,505	119,144,661	226,289	22,916,286	18,333,029	137,477,690
1867	1,380,412	139,794,323	299,832	30,363,987	24,291,190	164,085,513
1868	1,353,327	137,053,426	*Kilos.* 30,137,883	66,441,977	53,153,582	190,207,008
1869[3]						
	Kilos.[4]					
1870	65,704,224	144,851,532	26,427,383	58,261,808	46,609,447	191,460,979
1871	71,564,980	157,772,154	20,854,506	45,975,844	36,780,675	194,552,829
1872	92,426,137	203,762,661	33,177,246	73,142,556	58,514,045	262,276,706
1873	83,733,245	184,598,311	25,175,055	55,500,926	44,400,741	228,999,052
1874	80,206,652	176,823,584	24,502,558	54,018,339	43,214,671	220,038,255
1875	90,720,408	200,002,211	29,524,642	65,090,026	52,072,021	252,074,232
1876	89,259,122	196,780,660	27,597,973	60,842,491	48,673,993	245,454,653
1877	97,310,463	214,530,646	27,849,009	61,396,087	49,116,870	263,647,516
1878	81,708,196	180,133,889	27,848,592	61,395,006	49,116,005	229,249,894
1879	91,951,094	202,715,382	25,088,878	55,310,940	44,248,752	246,964,134
1880	97,145,801	214,167,633	29,077,187	64,103,566	51,282,853	265,450,486
1881	103,876,955	229,007,135	22,339,591	49,249,862	39,399,890	268,407,025
1882	111,009,796	244,732,196	22,353,021	49,279,470	39,423,576	284,155,772
1883	118,403,668	261,032,726	26,564,619	58,564,359	46,851,487	307,884,213
1884	114,344,648	252,084,211	24,938,623	54,979,688	43,983,750	296,067,961
1885	128,393,000	283,055,000	31,336,000	64,083,000	55,266,400	338,321,400
1886	132,130,000	291,294,000	35,312,000	77,851,000	62,280,800	353,574,800
1887	109,164,000	240,663,000	30,447,000	67,123,900	53,698,400	294,361,400
1888	131,743,000	290,441,000	28,054,000	61,848,000	49,478,400	339,919,400
1889	141,769,000	312,544,000	36,376,000	80,195,000	64,156,000	376,700,000
1890[5]	102,550,000	226,082,000	18,522,000	40,834,000	32,667,200	258,749,200

[1] It is estimated that in unwashed sheepskins the wool is 80 per cent. of the weight.
[2] Argentine quintal is 101 27-100 lbs.
[3] Figures for 1869 are wanting.
[4] Kilo is 2.2046 lbs.
[5] Nine months.

ARGENTINE REPUBLIC.

No. 78.—Sheep Census.

Year.	Number of Sheep.	Year.	Number of Sheep.	Year.	Number of Sheep.
1857	15,989,405	1868 . . .	58,463,728	1879 . . .	86,505,596
1858	17,796,897	1869 . . .	59,677,986	1880 . . .	91,582,206
1859	17,524,174	1870 . . .	61,704,827	1881 . . .	98,380,474
1860	16,262,827	1871 . . .	67,288,850	1882 . . .	104,252,680
1861	25,733,489	1872 . . .	86,800,195	1883 . . .	111,196,488
1862	25,560,848	1873 . . .	78,636,440	1884 . . .	107,384,540
1863	35,258,038	1874 . . .	75,324,508	1885 . . .	120,578,023
1864	38,617,466	1875 . . .	85,188,297	1886 . . .	124,087,767
1865	51,650,184	1876 . . .	83,841,674	1887 . . .	103,413,817
1866	50,820,526	1877 . . .	91,418,696	.	
1867	59,638,071	1878 . . .	76,909,312		

No. 79.—River Platte Wools and Sheepskins, Imports into Europe and North America, 1887-1891.

Helmuth Schwartze & Co.

Total imports into Europe and North America for the season from 1st November to 31st October:

	1890-91.	1889-90.	1888-89.	1887-88.	1886-87.
Into Europe,	362,000 bls	303,000 bls.	402,000 bls	358,000 bls.	329,000 bls.
" U. States	18,000 "	14,000 "	19,000 "	16,000 "	13,000 "
Totals . .	380,000 bls.	317,000 bls.	421,000 bls.	374,000 bls.	342,000 bls.

London Prices.

	Yield.	Dec. '90.	Jan.	Mar.	June.	Sept.	Nov. '91.
B. Ayres Mruo. & 1st super cmbg.	40%	8½d.	8½d.	8¼d.	8¼d.	7¾d.	7½d.
B. Ayres 1st good av. embg.	35%	7	7	6¾	6¾	6½	6
" " " average . . .	30%	5¾	5¾	5½	5½	5¼	5
Monte Video 1st average . .	38%	7¼	7¼	7	7	6¾	6¼

Sheepskins.

The total imports into Europe were 64,000 bales, against 72,000, 104,000, 72,000, and 82,000 bales in the four preceding years.

Fluctuations in Liverpool:

	Dec. '90.	Feb.	Apr.	June.	Aug.	Sept.	Nov.	Dec. '91.
B. Ayres full-wooled Matadero, per lb. .	5¾d.	6d.	6d.	6d.	6¼d.	6d.	5½d.	5¼d.

No. 80.—Uruguay, 1889.

Exports of Wool, 1889.[1]

Country.		Value.
	Pounds.	
Belgium	34,196,521	$3,102,288
France	32,677,048	2,976,442
Germany	11,378,304	1,032,233
Argentine Republic	6,476,182	587,516
United States	2,946,124	267,271
England	2,197,164	199,305
Italy	541,584	49,132
Portugal	186,178	16,890
Spain	8,642	784
Brazil	168,376	15,274
Not specified	9,254,357	902,797
Total	100,030,480	$9,149,932

[1] The exports of wool from Montevideo are not confined to the clip of Uruguay.

Report of Consul Hill, of Montevideo, 1890.

The number of sheep in Uruguay was estimated at 10,000,000 in 1885, and at 12,000,000 in 1889.

The clip of 1889 was 42,000,000 pounds, valued at $714,000, or 17 cents per pound.

The average yield was 3½ pounds per sheep.

Average size of flocks 1,200 to 1,500. Loss in weight of fleece in washing 25 to 30 per cent. Vermont Merinos introduced in 1886.

Paraguay.

Number of Sheep and Goats:

1877	6,668
1886	32,351
1890	77,576

Brazil.

The total wool clip of Brazil is estimated in the United States Consular reports for 1891 at 850,000 kilos, the weight of the fleeces being from 1½ to 2 kilos.

No. 81.—Quantities and Values of Manufactures of Wool Imported into and of Wool Exported from Natal, 1875-1890.

British Board of Trade Reports.

Years.	Imports.				Exports.	
	Manufactures of Wool.				Wool, raw.	
	Blankets.		Other Manufactures.			
	Pounds.	£	*Yards.*	£	*Pounds.*	£
1875 . .	42,852	27,664	270,456	19,961	8,109,447	389,285
1876 . .	63.261	38,481	98,164	9,632	8,550,177	366,280
1877 . .	32,252	16,818	152,063	13,418	10,012,356	383,019
1878 . .	72,358	37,101	207,515	16,368	12,077,966	429,657
1879 . .	119,872	61,902	389,702	19,972	12,029,216	415,890
1880 . .	176,116	106,461	356,035	23,310	15,283,049	529,321
1881 . .	86,974	43,949	152,697	10,842	12,578,781	450,938
1882 . .	131,212	73,183	361,103	21,011	14,056,126	481,449
1883 . .	74,390	43,031	317,654	19,345	15,826,915	519,161
1884 . .	74,660	35,147	428,164	21,863	17,330,981	523,377
1885 . .	. . . . .	. . . . .	. . . . .	55,950	13,418,624	474,861
1886 . .	. . . . .	. . . . .	. . . . .	47,127	13,954,909	488,943
1887 . .	. . . . .	. . . . .	. . . . .	102,068	18,904,230	725.049
1888 . .	. . . . .	. . . . .	. . . . .	137,686	24,240,517	923,969
1889 . .	. . . . .	. . . . .	. . . . .	153,286	20,421,084	800,068
1890 . .	. . . . .	. . . . .	. . . . .	148,431	23,312,520	949,631

No. 82.—Values of Manufactures of Wool Imported into and the Quantities and Values of Wool Exported from the Cape of Good Hope, 1875-1890.

British Board of Trade Reports.

Years.	Imports.	Exports.	
	Manufactures of Wool.	Wool, raw.	
	£	*Pounds.*	£
1875	266,867	40,339,674	2,855,899
1876	225,563	34,861,339	2,278,942
1877	163,813	36,020,571	2,232,755
1878	198,521	32,127,167	1,888,928
1879	279,456	40,087,593	2,156,609
1880	308,627	42,467,962	2,429,360
1881	312,090	42,770,244	2,181,937
1882	394,657	41,689,119	2,062,180
1883	181,850	38,029,495	1,992,745
1884	140,722	37,270,615	1,745,193
1885	178,331	38,858,656	1,693,992
1886	151,090	52,775,653	2,138,513
1887	216,061	55,164,383	2,565,475
1888	292,340	69,696,717	3,011,616
1889	338,725	78,737,162	3,514,031
1890	425,602	72,832,937	3,198,879

No. 83.— Wool Production of South Africa, 1888-1891.

HELMUTH SCHWARTZE & Co.

Imports for the calendar year 1891 into England, 316,510 bales, against 283,494 bales in 1890; into Continent direct, 6,324 bales, against 2,663 bales in 1890. The following gives the production of South Africa during the past four seasons: —

IMPORT SEASON.	1891.	1890.	1889.	1888.
CAPE —	*Bales.*	*Bales.*	*Bales.*	*Bales.*
Into England (for the 5 series)	307,694	278,719	302,816	280,186
(of which for the London Market)	152,000	177,000	172,000	168,000
(of which forwarded to Interior)	58,000	22,000	30,000	21,000
(of which forwarded to Continent)	95,000	79,000	100,000	91,000
(of which forwarded to America)	3,000	1,000	1,000	. . . .
Into Continent direct	6,324	2,663	. . . .	1,398
Into America direct	7,686	6,724	7,103	7,968
Total	321,704	288,106	309,919	289,552
Viz. — Western Province	26,933	23,482	28,231	24,190
Eastern Province	217,390	190,037	203,223	189,418
Natal and Interior	77,381	74,587	78,465	75,944

CANADA.

No. 84. — Imports of Shoddy and Wool, 1890 and 1891.

SHODDY.

	1890.		1891.	
	Lbs.	*Value.*	*Lbs.*	*Value.*
From Great Britain . .	40,387	$8,597	78,669	$15,771
" United States . .	65,804	8,907	42,311	1,696
	106,191	$17,504	120,980	$17,467

WOOLS, WASHED AND UNWASHED.

	Lbs.	*Value.*	*Lbs.*	*Value.*
From Great Britain . .	3,177,752	$678,097	2,503,592	$538,004
" United States . .	3,824,114	691,599	3,513,328	555,100
" Australia	944,733	186,686	979,412	217,319
" South Africa . .	408,864	57,643	516,074	59,552
" East Indies . . .	7,547	1,521		
" West Indies . . .	. . . . .	. . . . .	696	86
" France	477,217	102,063	224,118	58,682
" Germany	65,034	11,447	82,396	15,771
" Belgium	. . . . .	. . . . .	29,443	4,334
	8,905,261	$1,729,056	7,849,059	$1,448,848
Domestic Clip	12,000,000	.		
Noils imported	. . . . .	38,997		

The wools imported from the United States are nearly all Cape, South American, and Australian, forwarded in bond from Boston and New York.

The exports of domestic wool from the United States to Canada, in 1890, amounted to 40,821 pounds, valued at $8,622.

No. 85. — Canada Wool Exports to the United States.

	1890.		1891.	
	Lbs.	*Value.*	*Lbs.*	*Value.*
Class 1, Combing wool .	916,713	$209,227	. . . . .	. . . . .
Class 2, Clothing wool .	185,665	45,496	. . . . .	. . . . .
Total	1,102,378	254,723	1,107,560	$245,322

No. 86. — Canadian Woolen Mills.

	1871.	1881.
No. establishments	262	1,281
" hands employed	4,453	
Annual value products	$5,507,549	$8,113,055
HOSIERY MILLS.		
No.	11	83
" hands	245	1,526
Value products	$199,122	$1,385,730

The figures for the census of 1891 are not yet available.

No. 87.—Manufactures of Wool Imported into Canada.

(Year ending June 30, 1891.)

TRADE AND NAVIGATION REPORTS—DOMINION OF CANADA.

	Quantity.	Value.
	Pounds.	
Blankets	163,120	$54,433
Flannels	244,499	196,376
Cloths, cassimeres, overcoatings, etc.	4,216,776	3,246,114
Knit Goods, hosiery, etc.	681,255	733,766
Felts	24,224	22,453
Yarns	165,479	127,616
Clothing	618,926	853,532
All other	310	269
Total	6,114,589	$5,234,559
Shawls		$118,834
Boot and shoe linings		2,498
Total		$121,332
	Yards.	
Fabrics not specified	20,569,831	$3,355,840
Winceys	111,333	7,469
Total	20,681,164	$3,363,309
	Sq. Yds.	
Carpets		
Ingrains	137,277	$64,487
	Yards.	
All other imports, except felt	2,338,272	1,023,043
	Pounds.	
Felt	240,835	101,001
Total		$1,188,531
Grand total		$9,907,731

No. 88.—The Canadian Woolen Tariff.

Wool. Class 1, viz.: Leicester, Cotswold, Lincolnshire, South down combing wools, or wools known as lustre wools, and other like combing wools, such as are grown in Canada,	Lb. 0.03
Manufactures composed wholly or in part of wool, worsted, the hair of the Alpaca goat, or other like animals, viz.: Blankets and flannels of every description; cloths, doeskins, cassimeres, tweeds, coatings, overcoatings, felt cloth of every description, not elsewhere specified; horse-collar cloth; yarn, knitting yarn, fingering yarn, worsted yarn; knitted goods, viz.: shirts and drawers, and hosiery not elsewhere specified	Lb. 0.10 and 20% ad val.
All fabrics composed wholly or in part of wool, worsted, the hair of the Alpaca goat, or other like animals, not otherwise provided for, on all such goods costing 10 cents per yard and under	22½% ad val.
Costing over 10 and under 14 cents	25% ad val.
Costing 14 cents and over	27½% ad val.
Felt, pressed, of all kinds, not filled or covered by or with any woven fabric	17½% ad val.
Carpets, viz.: Brussels, tapestry, Dutch, Venetian, and damask; carpet mats and rugs of all kinds not elsewhere specified; and printed felts and druggets, and all other carpets and squares not otherwise provided for	25% ad val.
Smyrna carpets, mats, and rugs	30% ad val.
Two-ply and three-ply ingrain carpets of which the warp is composed wholly of cotton or other material than wool, worsted, the hair of the Alpaca goat, or other like animal .	Sqr. yd. 0.05 and 20% ad val. additi'l.
Treble ingrain, three-ply, and two-ply carpets composed wholly of wool	Sqr. yd. 0.10 and 20% ad val.
Socks or stockings of cotton, wool, worsted, the hair of the Alpaca goat, or other like animal	Lb. 0.10 and 30% ad val.
Horse-clothing, shaped, not otherwise provided for	30% ad val.
Clothing, ready-made and wearing apparel of every description, including horse-clothing, shaped, composed wholly or in part of wool, worsted, the hair of the Alpaca goat or other like animal, made up by the tailor, seamstress, or manufacturer, not otherwise provided for	Lb. 0.10 and 25% ad val.
Shawls and travelling rugs of all kinds and materials, except silk	25% ad val.

Free List.—Yarn spun from the hair of the Alpaca or Angora goat, when imported by manufacturers of braids for use exclusively in their factories in the manufacture of such braids only, under such regulations as may be adopted by the Minister of Customs.

No. 89. — The World's Wool Supply Since 1860.

THE FIGURES PRIOR TO 1891 ARE THE ESTIMATES OF THE LONDON BOARD OF TRADE.

COUNTRIES.	1860.	1870.	1880.	1889.	1891.
	Pounds.	*Pounds.*	*Pounds.*	*Pounds.*	*Pounds.*
United Kingdom	140,000,000	150,000,000	149,000,000	134,000,000	147,475,000
Continent of Europe	500,000,000	485,000,000	450,000,000	450,000,000	639,917,000
North America	110,000,000	176,000,000	270,000,000	330,000,000	319,100,000
Australasia	60,000,000	175,000,000	308,000,000	450,000,000	550,000,000
Cape of Good Hope	26,000,000	43,000,000	60,000,000	70,000,000	128,681,600
River Plate	43,000,000	197,000,000	256,000,000	360,000,000	376,700,000
Other Countries	76,000,000	69,000,000	133,000,000	156,000,000	294,900,000
Grand Totals	955,000,000	1,295,000,000	1,626,000,000	1,950,000,000	2,456,773,600

No. 90. — The World's Wool Production in 1891.

The following table is based upon the estimates of Dr. F. X. von Newmann Spallart, Stuttgart, published in 1887. His figures of wool production are given in the first column; our own in the second. The additional information is derived mainly from United States Consular Reports, and Mulhall's Dictionary of Statistics.

Countries of Production.	1887.	1891.
Europe:	*Pounds.*	*Pounds.*
Russia	262,966,000	291,500,000
Great Britain and Ireland	135,936,000	147,475,000
France	80,138,000	124,803,000
Spain	66,138,000	66,138,000
Germany	54,894,000	54,894,000
Hungary	43,146,000	43,146,000
Italy	21,385,000	21,385,000
Austria	11,155,000	11,155,000
Portugal	10,362,000	10,362,000
Belgium	4,409,000	4,409,000
Sweden	3,307,000	3,307,000
All other Europe	8,818,000	8,818,000
Total Europe	702,654,000	762,589,000
North America:		
United States	307,588,000	307,100,000
British North American Provinces	4,409,000	12,000,000
South America:		
Argentine Republic (exports 1885)	283,047,000	376,700,000
Brazil		1,875,000
Peru		6,700,000
Uruguay (exports 1884)	59,084,000	42,000,000
Australasia	455,470,000	550,000,000
Asia:		
British East Indies (exports 1885–6)	23,126,000	72,000,000
Russia		66,000,000
Turkey, Asiatic and Persia (estimated)	13,228,000	
Afghanistan, Beluchistan, & Thibet exports to India		12,200,000
Sivas, Syria } Asiatic Turkey		8,300,000
Mesopotamia		31,555,000
Persia (exports to India)		3,470,000
Africa:		
Cape Colony (exports 1885)	29,299,000	128,681,600
Natal (exports 1885)	17,306,000	
Egypt		2,800,000
All other countries	88,185,000	48,000,000
Total production	1,983,396,000	2,456,773,600

No. 91.—Number of Sheep in the World.

The following table is based upon the estimates made by Hon. J. R. Dodge, Statistician of the Department of Agriculture, for the Special Report of the Bureau of Statistics on Wool and its manufacture, published in 1886. All available data, including the U. S. Consular Reports, has been carefully considered in making up the estimates for 1891. In the absence of information we do not change Mr. Dodge's figures. There is no doubt that the sheep industry is declining in France, Germany, Spain, Austria-Hungary, and Italy, and somewhat increasing in Russia, where the home consumption is enormous.

Countries.	Years.	Sheep and Lambs.
North America:		
United States	1892	44,938,365
Canada:		
Ontario and Quebec	1881	2,249,011
Nova Scotia	1881	377,801
New Brunswick	1881	221,163
Manitoba and the North-West	1891	77,000
Prince Edward Island	1881	166,496
Total		3,091,471
Newfoundland	1891	40,000
Central America	1891	700,000
Jamaica	1885	13,390
Guadaloupe	1880	13,690
Guatemala	1884	417,577
Mexico	1891	2,000,000
South America:		
Argentine Republic	1887	103,413,817
Brazil	1891	500,000
Chili	1891	2,500,000
Falkland Islands	1885	516,975
Uruguay	1891	13,000,000
Paraguay	1891	77,576
Venezuela	1883	[1] 3,490,563
Europe:		
Austria-Hungary:		
Austria	1880	3,841,340
Hungary	1884	10,594,831
Belgium	1891	370,000
Denmark	1881	1,548,613
France	1885	22,900,000
Germany	1891	20,000,000
Great Britain and Ireland, etc.	1891	33,533,988
Greece	1891	5,970,000
Italy	1881	8,596,108
Netherlands	1884	752,949
Portugal	1891	2,980,000
Roumania	1884	4,654,776
Russia in Europe	1891	53,000,000
Servia	1882	3,620,750
Spain	1891	22,800,000
Sweden and Norway:		
Sweden	1891	1,440,000
Norway	1875	1,686,306
Switzerland	1891	340,000
Turkey in Europe	1891	10,000,000

[1] Includes also goats.

Number of Sheep in the World. — *Concluded.*

Countries.	Years.	Sheep and Lambs.
Eastern Roumelia	1883	1,858,839
Asia:		
Russia:		
Caucasia and Transcaucasia	1891	12,000,000
India:		
Madras	1891	[1] 12,063,471
Bombay and Sind	1878	[1] 3,300,000
Punjab	1891	[1] 6,551,180
Central Provinces	1878	[1] 641,000
British Burmah	1878	[1] 20,000
Mysore	1878	[1] 1,590,000
Berar	1878	[1] 386,000
Ceylon	1884	53,757
Turkey in Asia:		
Mesopotamia:		
Angora	1891	[1] 1,223,699
Bagdad	1891	2,037,431
Bassorah	1891	956,000
Diarbekir	1891	1,053,000
Kastamoonee	1891	[1] 1,061,816
Konieh, or Iconium	1891	1,020,000
Mosul	1891	1,211,000
Sivas	1891	2,097,330
Syria	1891	3,831,359
Africa:		
Algeria	1891	9,357,000
Egypt	1891	1,040,577
Cape of Good Hope	1891	[1] 17,770,200
Natal	1885	535,482
Mauritius	1884	[1] 30,000
Orange Free State	1881	5,056,301
Australasia	1891	114,628,301
Oceania:		
Fiji Islands	1884	5,869
Tahiti and Moorea	1883	3,000
Total		584,725,697

[1] Includes also goats.

No. 92.—Comparative Quantities of Wool Manufactured, United States, England, France, and Germany.

	1866.	1876.	1884.	1890.
United States (imported and home grown) . . .	229,707,000	235,020,000	376,036,000	415,000,000
United Kingdom (imported and home grown),	313,000,000	369,000,000	381,000,000	470,000,000
France	*190,119,000	*271,484,000	*365,767,000	420,000,000
Germany	No returns.	*143,260,000	*232,962,000	340,000,000

* Home grown not included.

CHINA.

Exports of Wool, 1880-1890.

U. S. Consul-General, J. A. Leonard.

Year.	*Pounds*	Year.	*Pounds.*
1880	787,759	1886	3,466,778
1881	967,841	1887	5,140,810
1882	1,157,100	1888	6,643,350
1883	1,827,686	1889	9,829,498
1884	2,645,970	1890	10,659,152
1885	3,237,885		

In Austria there are 10 worsted spinning-mills, with 240,000 spindles; 450 spindles for woolen yarns; 6,800 power-looms, and 10,000 hand-looms for woolen goods; 12,500 power-looms, and 9,000 hand looms for worsted goods.

In Spain there are in operation 1,170 cards, 662,000 spindles, 5,600 common looms, and 1,700 Jacquard looms.

In Sweden there are 96 wool-yarn spinning-mills, employing 1,281 persons, and producing goods valued at $191,246; 44 cloth mills, employing 4,398 persons, and producing goods valued at $574,388.

GERMANY.—Statistics of German wool manufactures are very meagre, the latest being for 1886, and showing 150 mills for wool cleaning; 1,182 yarn mills, 135 shoddy and mungo-mills, 1,209 weaving-mills, and 1,155 dyeing and printing-mills, employing, all told, 137,456 persons, of whom 64,708 were in weaving mills and 42,294 in yarn mills.

No. 93. — Mulhall's Estimate of the World's Wool Production.

Dictionary of Statistics.

	Millions of Lbs.				
	1820.	**1840.**	**1860.**	**1880.**	**1887.**
United Kindom	100	121	155	176	160
France	116	144	150	117	126
Germany	64	85	125	129	105
Russia	102	126	164	203	240
Austria	60	72	81	80	70
Italy	18	23	23	30	32
Spain	40	42	58	70	70
Portugal	4	5	8	10	10
Scandinavia	15	20	23	26	26
Various	7	8	8	17	16
Europe	526	646	795	849	855
United States	20	65	75	233	320
River Plate	4	15	56	280	360
Cape Colony	2	10	28	52	82
Australia	2	14	70	390	420
Various	6	36	84	184	181
Total	560	786	1,108	1,988	2,218

No. 94.—Average Weights of Bales of Wool.

Domestic.

Ohio, per bag	200
Michigan, per bag	220
Indiana, per bag	175
Texas, per bag	210
Utah greasy, per bag	325
Montana greasy, per bag	290
California scoured, per bale	400
California greasy, per bale	500
Eastern Oregon greasy, per bale	540
Valley Oregon greasy, per bale	520
Territory, per bale	300

Foreign.

Australian, per bale	350
New South Wales greasy wool, average per bale	400
New South Wales scoured, average per bale	260
Cape, per bale	400
Cordova, per bale	1,000
Montevideo, per bale	1,000
Donskoi, per bale	500
Donskoi, washed fleeces, per sack	200
Donskoi, unwashed	300
English combing, per sheet	600
Scotch carpet, per sheet	600
Scotch carpet, per bag	250
Aleppo, per bale	
East India, Karadi, Bagdad, Turkish and Levant,	350
River Plate	800

English wools vary from 500 to 600 lbs.

MANUFACTURERS' TABLES.

No. 95.—Woolen.

1 yard = 1 thread, or round of the woollen reel.
80 yards = 1 knot.
300 " = 3¾ knots = 1 cnt.
1,600 " = 20 " = 5⅓ cnts = 1 rnn.
2,000 " = 25 " = 6⅔ " = 1¼ " = 1 bier.

The number of runs in one pound is the number of woollen yarn.

The number of yards of woollen yarn that weighs 4.375 grains is the number of the yarn.

Table for numbering Woolen Yarn by the weight in grains of twenty yards, or one-fourth of a knot.

Grains.	Runs.	Grains.	Runs.	Grains.	Runs.	Grains.	Runs.	Grains.	Runs.	Grains.	Runs.
1	87.50	18	4.86	35	2.50	52	1.68	69	1.27	86	1.02
2	43.75	19	4.61	36	2.43	53	1.65	70	1.25	87	1.01
3	29.17	20	4.37	37	2.36	54	1.62	71	1.23	88	.99
4	21.87	21	4.17	38	2.30	55	1.59	72	1.22	89	.98
5	17.50	22	3.98	39	2.24	56	1.56	73	1.20	90	.97
6	14.58	23	3.80	40	2.19	57	1.54	74	1.18	91	.9
7	12.50	24	3.65	41	2.13	58	1.51	75	1.17	92	.95
8	10.94	25	3.50	42	2.08	59	1.48	76	1.15	93	.94
9	9.72	26	3.37	43	2.03	60	1.46	77	1.14	94	.93
10	8.75	27	3.24	44	1.99	61	1.43	78	1.12	95	.92
11	7.95	28	3.12	45	1.94	62	1.41	79	1.11	96	.91
12	7.29	29	3.02	46	1.90	63	1.38	80	1.09	97	.90
13	6.73	30	2.92	47	1.86	64	1.37	81	1.08	98	.89
14	6.25	31	2.82	48	1.82	65	1.35	82	1.07	99	.88
15	5.83	32	2.73	49	1.79	66	1.33	83	1.05	100	.87
16	5.47	33	2.65	50	1.75	67	1.31	84	1.04		
17	5.15	34	2.57	51	1.72	68	1.29	85	1.03		

The number of yarn of different sizes represents the proportionate size of No. 1 yarn, and to determine the size or number of a thread composed of strands of different numbers twisted together, it is only necessary to add together the proportionate sizes of the separate strands. A single example will illustrate:

3 run, 4 run, 5 run, and 6 run twisted together will make yarn the size of $\frac{1}{3} + \frac{1}{4} + \frac{1}{5} + \frac{1}{6}$ of 1 run, or $\frac{20}{60} + \frac{15}{60} + \frac{12}{60} + \frac{10}{60} = \frac{57}{60}$ of 1 run; not quite so large as 1 run, but exactly $60 \div 57 = 1.05$ run.

No. 96.—Linen and Jute.

2½ yards = 1 thread, or round of the linen reel.
300 " = 120 threads = 1 cut.
600 " = 240 " = 2 cuts = 1 heer.
1,800 " = 720 " = 6 " = 3 " = 1 slip.
3,600 " = 1,440 " = 12 " = 6 " = 2 slips = 1 hank.
7,200 " = 2,880 " = 24 " = 12 " = 4 " 2 hanks = 1 hasp.
14,400 " = 5,760 " = 48 " = 24 " = 8 " 4 " = 2 hasps = 1 spindle.

The number of cuts in one pound is the number of linen yarn.

The number of yards of linen yarn that weigh 23.33 grains is the number of the yarn.

The numbers by which linen sewing threads are sold represent three threads of the number twisted together; that is, No. 35 standard thread has three strands of 35 yarn in it.

No. 97.—Worsted.

1 yard = 1 thread, or round of the worsted reel.
80 " = 80 threads = 1 lea or kuot.
560 " = 560 " = 7 leas or knots = 1 hank.

The number of hanks in one pound is the number of worsted yarn.

The number of a worsted yarn of a given length which equals in weight a cotton yarn of the same length is equal to the cottou number multiplied by 1.5. No. 60 cotton = No. 90 worsted.

The number of yards of worsted yarn that weigh 12.5 grains is the number of the yarn.

Table for measuring Worsted Yarn by the weight in grains of twenty yards, or one-fourth of a knot.

Grains.	No. of Yarn.	Grains.	No. of Yarn.	Grains.	No. of Yarn.	Grains.	No. of Yarn.	Grains.	No. of Yarn.	Grains.	No. of Yarn.
1	250.	19	13.16	37	6.76	55	4.55	73	3.42	91	2.75
2	125.	20	12.50	38	6.58	56	4.46	74	3.38	92	2.72
3	83.33	21	11.90	39	6.41	57	4.39	75	3.33	93	2.69
4	62.50	22	11.36	40	6.25	58	4.31	76	3.29	94	2.66
5	50.	23	10.87	41	6.10	59	4.24	77	3.25	95	2.63
6	41.67	24	10.42	42	5.95	60	4.17	78	3.21	96	2.60
7	35.71	25	10.	43	5.81	61	4.10	79	3.17	97	2.58
8	31.25	26	9.62	44	5.68	62	4.03	80	3.12	98	2.55
9	27.78	27	9.26	45	5.56	63	3.97	81	3.09	99	2.52
10	25.	28	8.93	46	5.43	64	3.91	82	3.05	100	2.50
11	22.73	29	8.62	47	5.32	65	3.85	83	3.01	105	2.38
12	20.83	30	8 33	48	5.21	66	3.79	84	2.98	110	2.27
13	19 23	31	8.06	49	5.10	67	3.73	85	2.94	115	2.17
14	17.86	32	7.81	50	5.	68	3.68	86	2.91	120	2.08
15	16.67	33	7.58	51	4.90	69	3.62	87	2.87	125	2.00
16	15.62	34	7.35	52	4.81	70	3.57	88	2.84	150	1.67
17	14.71	35	7 14	53	4.72	71	3.52	89	2.81	175	1.43
18	13.89	36	6.94	54	4.63	72	3.47	90	2.78	200	1.25

No. 98.—Cotton.

1½ yards = 1 thread, or round of the cotton reel.
120 " = 80 threads = 1 skein, ley or lea.
840 " = 560 " = 7 skeins = 1 hank.

The number of hanks in one pound is the number of eotton yarn.

The number of yards of cottou yarn that weigh 8.33 graius is the number of the yarn.

The numbers by which cotton sewing threads are sold represent three threads of the number twisted together; that is, No. 60 standard thread has three strands of No. 60 yarn in it. In a six-cord thread each of the three strands is make up of two threads twisted together. Six threads of No. 120 made six-cord No. 60.

The Freneh system of numbering is based on the Metric system.

The metre = 39.37 inches. and is the standard of length. The Kilogram (2.2047) pounds) is the standard weight in numbering yarn, and the number of thousand metres in a Kilogram is the number of the yarn. No. 28 yarn would be No. 47.42 in France.

No. 99.— Parallel Yarn Tables.

STANDARD.

	Length.	*Weight*			*Count, or Number*
Woolen	1,600 yds.	= 1 lb.	makes	1 run.	1 run.
"	300 "	= 1 "	"	1 cut.	1 cut.
Worsted	560 "	= 1 "	"	1 hank.	No. 1.
Cotton	840 "	= 1 "	"	1 hank.	No. 1.
Linen	300 "	= 1 "	"	1 lea.	1 lea.

Yarns are graded by the number of runs, cuts, banks, or leas required to make one pound; thus, 1,600 yards woolen yarn, weighing 1 pound, is known as 1 run yarn; if 3,200 yards are required to weigh 1 pound, the yarn is known as 2 run, etc. The same principle is used with other textile fabrics. Spun-silk yarns, however, have the same number of hanks per pound, and the same yardage in the 2 ply, 3-ply, etc., as in the single numbers. In cotton, wool, and worsted yarns the number indicating the doubling is put before the count number (2/40's). In spun-silk this method is reversed; thus, 40/2's.

Woolen (Singles), 1,600 Yds. per Run.		Woolen (Singles) by Cuts, and Linen (Singles) by Lea, 300 Yds. per Cut, or Lea.		Worsted (Singles), 560 Yards per Hank.		Cotton (Singles), and Spun-Silk, 840 Yards per Hank.	
Runs.	Yards per Lb	Cuts, or Leas.	Yards per Lb.	No.	Yards per Lb.	No.	Yards per Lb.
1/8	.400	1	300	. . .	. . . . .		
1/4	.600	2	600	1	560		
1/2	.800	. . .	. . . . .	. . .	. . . . .	1	840
3/4	1,000	3	900	2	1,120	. .	. . . . .
1	1,600	5	1,500	3	1,680	2	1,680
1 1/4	2,000	7	2,100	4	2,240	3	2,520
2	3,200	10	3,000	5	2,800	4	3,360
2 1/2	4,000	13	3,900	7	3,920	5	4,200
3	4,800	17	5,100	9	5,040	6	5,040
3 3/4	6,000	20	6,000	11	6,160	7	5,880
4 1/2	7,200	23	6,900	12	6,720	8	6,720
5	8,000	27	8,100	14	7,840	10	8,400
5 1/3	8,800	30	9,000	16	8,960	11	9,240
6 1/4	10,000	33	9,900	18	10,080	12	10,080
7	11,200	37	11,100	20	11,200	13	10,920
7 1/2	12,000	40	12,000	21	11,760	14	11,760
8	12,800	43	12,900	23	12,880	16	13,440
8 3/4	14,000	47	14,100	25	14,000	17	14,280
9 1/2	15,200	50	15,000	27	15,120	18	15,120
10	16,000	53	15,900	29	16,240	19	15,960
10 1/3	16,800	57	17,100	30	16,800	20	16,800
11 1/4	18,000	60	18,000	32	17,920	21	17,640
12	19,200	63	18,900	34	19,040	23	19,320
12 1/2	20,000	67	20,100	36	20,160	24	20,160
14	22,400	74	22,200	40	22,400	26	21,840
15	24,000	80	24,000	42	23,520	28	23,520
16	25,600	86	25,800	46	25,760	30	25,200
18	28,800	94	28,200	50	28,000	34	28,560
19	30,400	100	30,000	54	30,240	36	30,240
20	32,000	106	31,800	58	32,480	38	31,920
21	33,600	114	34,200	60	33,600	40	33,600

No. 100. Average Number of Scales to the Linear Inch in Different Wools.

JOHN GORDON GRAY.

East India Wool	1,000	scales to linear inch.
China wool	1,200	" "
Domestic wool	1,400	" "
Leicester wool	1,400	" "
Southdown wool	1,500	" "
Merino wool	2,000	" "
Saxony wool	2,200	" "

No. 101. Average Size of Wool Fibres.

JOHN GORDON GRAY.

East India wool	1–700	of an inch
China wool	1–750	" "
Domestic wool	1–1100	" "
Leicester wool	1–300	" "
Southdown wool	1–1250	" "
Merino wool	1–1800	" "
Saxony wool	1–2000	" "
Calf-hair	1–1800	" "
China grass	1–1100	" "
English flax	1–1800	" "

No. 102. Avoirdupois Weight.

Grains.		*Drachms.*		*Ounces.*		*Pounds.*	*Ton.*		*Grammes.*		*Kilos.*
27.34	=	1						=	1.77184		
437.5	=	16	=	1				=	28.34954		
7000.0	=	256	=	16	=	1		=	453.59265		
						2.2047				=	1.00
						2000	= 1			=	907.18

Long Measure.

Inches.		*Feet.*		*Yards.*		*Metres.*
12	=	1			=	.3048
36	=	3	=	1	=	.9144
				1.0919	=	1.

No. 103.—Shrinkage Tables.

SHOWING COST OF SCOURED WOOL.

PRICE.	Per cent. of Shrinkage.				
	10	11	12	13	14
12	.13¹	.13²	.13²	.13³	.14
13	.14²	.14²	.14³	.15	.15
14	.15²	.15³	.16	.16	.16¹
15	.16³	.16³	.17	.17¹	.17²
16	.17³	.18	.18¹	.18²	.18²
17	.19	.19	.19¹	.19²	.19³
18	.20	.20¹	.20²	.20³	.21
19	.21	.21¹	.21²	.21³	.22
20	.22¹	.22²	.22³	.23	.23¹
21	.23¹	.23²	.23³	.24	.24²
22	.24²	.24³	.25	.25¹	.25²
23	.25²	.25³	.26	.26²	.26³
24	.26³	.27	.27¹	.27²	.28
25	.27³	.28	.28²	.28³	.29
26	.29	.29¹	.29²	.29³	.30¹
27	.30	.30¹	.30³	.31	.31¹
28	.31	.31²	.32	.32¹	.32²
29	.32¹	.32²	.33	.33¹	.33³
30	.33¹	.33³	.34	.34²	.35
31	.34²	.34³	.35¹	.35²	.36
32	.35²	.36	.36¹	.36³	.37¹
33	.36²	.37	.37²	.38	.38¹
34	.37³	.38¹	.38³	.39	.39²
35	.38³	.39¹	.40	.40¹	.40³
36	.40	.40²	.41	.41²	.42
37	.41	.41²	.42	.42²	.43
38	.42¹	.42³	.43¹	.43³	.44¹
39	.43¹	.43³	.44¹	.44³	.45¹
40	.44²	.45	.45²	.46	.46²
41	.45²	.46	.46²	.47	.47²
42	.46²	.47	.47³	.48¹	.48³
43	.47³	.48¹	.48³	.49²	.50
44	.49	.49²	.50	.50²	.51
45	.50	.50²	.51	.51³	.52¹
46	.51	.51³	.52¹	.52³	.53²
47	.52¹	.52³	.53²	.54	.54³
48	.53¹	.54	.54²	.55¹	.55³
49	.54²	.55	.55³	.56¹	.57
50	.55²	.56¹	.56³	.57²	.58
51	.56²	.57¹	.58	.58²	.59¹
52	.57³	.58²	.59	.59³	.60²
53	.59	.59²	.60¹	.61	.61³
54	.60	.60³	.61¹	.62	.62³
55	.61	.61³	.62²	.63¹	.64
56	.62¹	.63	.63³	.64¹	.65
57	.63¹	.64	.64³	.65²	.66¹
58	.64²	.65	.66	.66³	.67²
59	.65²	.66¹	.67	.67³	.68²
60	.66²	.67²	.68	.69	.69³
61	.67³	.68²	.69¹	.70	.71
62	.69	.69³	.70²	.71¹	.72
63	.70	.70³	.71²	.72²	.73¹
64	.71	.72	.72³	.73²	.74²
65	.72¹	.73	.73³	.74³	.75²
66	.73¹	.74¹	.75	.76	.76³
67	.74²	.75¹	.76	.77	.78
68	.75²	.76²	.77¹	.78¹	.79
69	.76³	.77²	.78²	.79¹	.80¹
70	.77³	.78³	.79²	.80²	.81²

The small figures denote ¼, ½, and ¾.

Shrinkage Tables, — *continued.*

SHOWING COST OF SCOURED WOOL.

PRICE.	Per cent. of Shrinkage.				
	15	16	17	18	19
12	.14	.14¼	.14½	.14¾	.14¾
13	.15¼	.15½	.15¾	.16	.16
14	.16½	.16¾	.16¾	.17	.17¼
15	.17¾	.17¾	.18	.18¼	.18½
16	.18¾	.19	.19¼	.19½	.19¾
17	.20	.20¼	.20½	.20¾	.21
18	.21¼	.21½	.21¾	.22	.22¼
19	.22¼	.22½	.23	.23¼	.23½
20	.23½	.23¾	.24	.24½	.24¾
21	.24¾	.25	.25¼	.25½	.26
22	.25¾	.26	.26½	.26¾	.27
23	.27	.27¼	.27¾	.28	.28½
24	.28¼	.28½	.29	.29¼	.29½
25	.29½	.29¾	.30	.30½	.30¾
26	.30½	.31	.31¼	.31¾	.32
27	.31¾	.32	.32½	.33	.33¼
28	.33	.33¼	.33¾	.34	.34½
29	.34	.34½	.35	.35½	.35¾
30	.35¼	.35¾	.36	.36½	.37
31	.36½	.37	.37¼	.37¾	.38¼
32	.37½	.38	.38½	.39	.39½
33	.38¾	.39¼	.39¾	.40¼	.40¾
34	.40	.40½	.41	.41½	.42
35	.41¼	.41½	.42	.42½	.43¼
36	.42½	.43	.43½	.44	.44½
37	.43½	.44	.44½	.45	.45¾
38	.44¾	.45¼	.45¾	.46¼	.47
39	.45¾	.46¼	.47	.47½	.48
40	.47	.47¾	.48¼	.49	.49½
41	.48¼	.48¾	.49¼	.50	.50½

PRICE.	Per cent. of Shrinkage.				
	15	16	17	18	19
42	.49¼	.50	.50½	.51¼	.51¾
43	.50½	.51	.51¾	.52¼	.53
44	.51¾	.52½	.53	.53½	.54¼
45	.53	.53½	.54¼	.54¾	.55½
46	.54	.54¾	.55¼	.56	.56¾
47	.55¼	.56	.56½	.57¼	.58
48	.56½	.57	.57¾	.58½	.59¼
49	.57½	.58¼	.59	.59¾	.60½
50	.58¾	.59½	.60¼	.61	.61¾
51	.30	.60¾	.61½	.62¼	.63
52	.61¼	.62	.62¾	.63½	.64¼
53	.62¼	.63	.63¾	.64¾	.65½
54	.63½	.64¼	.65	.66	.66¾
55	.64¾	.65½	.66¼	.67	.67¾
56	.66	.66¾	.67½	.68¼	.69
57	.67	.67¾	.68¾	.69½	.70¼
58	.68¼	.69	.70	.70¾	.71½
59	.69½	.70¼	.71	.72	.72¾
60	.70½	.71½	.72¼	.73¼	.74
61	.71¾	.72½	.73½	.74½	.75¼
62	.73	.73¾	.74¾	.75½	.76½
63	.74	.75	.76	.76¾	.77¾
64	.75¼	.76¼	.77	.78	.79
65	.76½	.77¼	.78¼	.79¼	.80¼
66	.77¾	.78½	.79½	.80½	.81½
67	.78¾	.79¾	.80¾	.81¾	.82¾
68	.80	.81	.82	.83	.84
69	.81¼	.82	.83	.84¼	.85¼
70	.82¼	.83¼	.84¼	.85¼	.86¼

The small figures denote ¼, ½, and ¾.

Shrinkage Tables, — *continued.*

SHOWING COST OF SCOURED WOOL.

PRICE.	Per cent. of Shrinkage.				
	20	21	22	23	24
12	.15	.15¼	.15½	.15½	.15¾
13	.16¼	.16½	.16¾	.17	.17
14	.17½	.17¾	.18	.18¼	.18½
15	.18¾	.19	.19¼	.19½	.19¾
16	.20	.20¼	.20½	.20¾	.21
17	.21¼	.21½	.21¾	.22	.22¼
18	.22½	.22¾	.23	.23½	.23¾
19	.23¾	.24	.24¼	.24¾	.25
20	.25	.25¼	.25½	.26	.26¼
21	.26¼	.26¾	.27	.27¼	.27½
22	.27½	.27¾	.28	.28½	.29
23	.28¾	.29	.29½	.30	.30¼
24	.30	.30½	.30¾	.31	.31½
25	.31¼	.31¾	.32	.32½	.33
26	.32½	.33	.33¼	.33¾	.34
27	.33¾	.34	.34½	.35	.35½
28	.35	.35½	.36	.36¼	.36¾
29	.36¼	.36¾	.37	.37¾	.38¼
30	.37½	.38	.38½	.39	.39¾
31	.38¾	.39¼	.39¾	.40¼	.40¾
32	.40	.40½	.41	.41½	.42¼
33	.41¼	.41¾	.42¼	.42¾	.43½
34	.42½	.43	.43½	.44¼	.44¾
35	.43¾	.44¼	.44¾	.45½	.46
36	.45	.45½	.46¼	.46¾	.47¼
37	.46¼	.46¾	.47½	.48	.48¾
38	.47½	.48	.48¾	.49¼	.50
39	.48¾	.49¼	.50	.50½	.51¼
40	.50	.50½	.51¼	.52	.52¾
41	.51¼	.52	.52½	.53¼	.54
42	.52½	.53¼	.53¾	.54½	.55¼
43	.53¾	.54½	.55	.55¾	.56½
44	.55	.55¾	.56½	.57¼	.57¾
45	.56¼	.57	.57¾	.58½	.59¼
46	.57½	.58¼	.59	.59¾	.60½
47	.58¾	.59½	.60¼	.61	.61¾
48	.60	.60¾	.61½	.62¼	.63¼
49	.61¼	.62	.62¾	.63½	.64½
50	.62½	.63¼	.64	.65	.65¾
51	.63¾	.64½	.65¼	.66¼	.67
52	.65	.65¾	.66¾	.67½	.68
53	.66¼	.67	.68	.68¾	.69¾
54	.67½	.68¼	.69¼	.70¼	.71
55	.68¾	.69½	.70½	.71½	.72½
56	.70	.71	.71¾	.72¾	.73¾
57	.71¼	.72¼	.73¼	.74	.75
58	.72½	.73¼	.74½	.75	.76¼
59	.73¾	.74¾	.75¾	.76¼	.77¾
60	.75	.76	.77	.78	.79
61	.76¼	.77¼	.78¼	.79¼	.80¼
62	.77½	.78½	.79½	.80½	.81½
63	.78¾	.79¾	.80¾	.81¾	.83
64	.80	.81	.82	.83	.84¼
65	.81¼	.82¼	.83¼	.84½	.85½
66	.82½	.83½	.84½	.85¾	.86¾
67	.83¾	.84¾	.85¾	.87	.88¼
68	.85	.86	.87¼	.88¼	.89½
69	.86¼	.87¼	.88½	.89½	.90¾
70	.87½	.88½	.89¾	.91	.92

The small figures denote ¼, ½, and ¾.

Shrinkage Tables,—*continued.*

SHOWING COST OF SCOURED WOOL.

PRICE.	Per cent. of Shrinkage.				
	25	26	27	28	29
12	.16	.16¼	.16½	.16¾	.17
13	.17¼	.17½	.17¾	.18	.18¼
14	.18¾	.19	.19¼	.19½	.19¾
15	.20	.20¼	.20½	.20¾	.21¼
16	.21¼	.21½	.22	.22¼	.22½
17	.22¾	.23	.23¼	.23½	.24
18	.24	.24¼	.24¾	.25	.25¼
19	.25¼	.25½	.26	.26½	.26¾
20	.26¾	.27	.27¼	.27¾	.28
21	.28	.28¼	.28¾	.29	.29½
22	.29¼	.29¾	.30	.30½	.31
23	.30½	.31	.31½	.32	.32¼
24	.32	.32½	.32¾	.33	.33¾
25	.33¼	.33¾	.34¼	.34¾	.35¼
26	.34½	.35	.35½	.36	.36½
27	.36	.36½	.37	.37½	.38
28	.37¼	.37¾	.38¼	.38¾	.39½
29	.38¾	.39¼	.39¾	.40¼	.40¾
30	.40	.40½	.41	.41¾	.42¼
31	.41¼	.41¾	.42½	.43	.43½
32	.42¾	.43¼	.43¾	.44½	.45
33	.44	.44¾	.45¼	.45¾	.46½
34	.45¼	.46	.46½	.47¼	.47¾
35	.46½	.47¼	.47¾	.48¾	.49¼
36	.48	.48¾	.49¼	.50	.50¾
37	.49¼	.50	.50¾	.51¼	.52
38	.50¾	.51¼	.52	.52¾	.53½
39	.52	.52¾	.53½	.54¼	.55
40	.53¼	.54	.54¾	.55½	.56¼
41	.54¾	.55½	.56¼	.57	.57¾
42	.56	.56¾	.57½	.58¼	.59
43	.57¼	.58	.58¾	.59¾	.60½
44	.58¾	.59½	.60¼	.61	.62
45	.60	.60¾	.61¾	.62½	.63¼
46	.61¼	.62¼	.63	.63¾	.64¾
47	.62¾	.63½	.64½	.65¼	.66¼
48	.64	.64¾	.65¾	.66¾	.67½
49	.65¼	.66¼	.67	.68	.69
50	.66¾	.67½	.68½	.69½	.70½
51	.68	.69	.70	.70¾	.71¾
52	.69¼	.70¼	.71	.72¼	.73¼
53	.70¾	.71½	.72½	.73½	.74¾
54	.72	.73	.74	.75	.76
55	.73¼	.74¼	.75¼	.76½	.77½
56	.74¾	.75¾	.76¾	.77¾	.78¾
57	.76	.77	.78	.79¼	.80¼
58	.77¼	.78½	.79½	.80½	.81¾
59	.78¾	.79¾	.80¾	.82	.83
60	.80	.81	.82¼	.83¼	.84½
61	.81¼	.82½	.83½	.84¾	.86
62	.82¾	.84	.85	.86	.87¼
63	.84	.85¼	.86¼	.87½	.88¾
64	.85¼	.86½	.87¾	.89	.90¼
65	.86¾	.87¾	.89	.90¼	.91½
66	.88	.89¼	.90½	.91½	.93
67	.89¼	.90½	.91¾	.93	.94¼
68	.90¾	.92	.93¼	.94½	.95¾
69	.92	.93¼	.94¾	.95¾	.97¼
70	.93¼	.94½	.96	.97¼	.98½

The small figures denote ¼, ½, and ¾.

Shrinkage Tables, — *continued.*

SHOWING COST OF SCOURED WOOL.

PRICE.	Per cent. of Shrinkage.				
	30	31	32	33	34
12	.17¼	.17½	.17¾	.18	.18¼
13	.18½	.18¾	.19	.19½	.19¾
14	.20	.20¼	.20½	.21	.21¼
15	.21½	.21¾	.22	.22½	.22¾
16	.22¾	.23¼	.23½	.24	.24¼
17	.24¼	.24¾	.25	.25¼	.25¾
18	.25¾	.26	.26½	.26¾	.27¼
19	.27¼	.27½	.28	.28¼	.28¾
20	.28½	.29	.29½	.29¾	.30¼
21	.30	.30½	.31	.31¼	.32
22	.31½	.32	.32¼	.32¾	.33¼
23	.33	.33¼	.33¾	.34¼	.34¾
24	.34¼	.34¾	.35	.35¾	.36¼
25	.35¾	.36¼	.36¾	.37¼	.37¾
26	.37	.37¾	.38¼	.38¾	.39½
27	.38½	.39	.39¾	.40¼	.41
28	.40	.40½	.41¼	.41¾	.42½
29	.41½	.42	.42¾	.43¼	.44
30	.43	.43¼	.44	.44¾	.45½
31	.44¼	.45	.45½	.46¼	.47
32	.45¾	.46½	.47	.47¾	.48½
33	.47	.48	.48¾	.49¼	.50
34	.48½	.49¼	.50	.50¾	.51½
35	.50	.50½	.51½	.52¼	.53
36	.51½	.52	.53	.53¾	.54½
37	.52¾	.53½	.54½	.55¼	.56
38	.54¼	.55	.56	.56¾	.57½
39	.55½	.56½	.57¼	.58¼	.59
40	.57	.58	.58¾	.59¾	.60½
41	.58½	.59½	.60¼	.61¼	.62
42	.60	.60¾	.61¾	.62¾	.63¾
43	.61½	.62½	.63	.64¼	.65
44	.62¾	.63¾	.64½	.65¾	.66½
45	.64¼	.65¼	.66¼	.67	.68¼
46	.65¾	.66¾	.67¾	.68¾	.69¾
47	.67	.68	.69	.70	.71¼
48	.68½	.69½	.70½	.71¾	.72¾
49	.70	.71	.72	.73¼	.74¼
50	.71½	.72½	.73½	.74¾	.75¾
51	.73	.73½	.75	.76	.77¼
52	.74¼	.75¼	.76½	.77¾	.78¾
53	.75¾	.76¾	.78	.79	.80¼
54	.77	.78¼	.79¼	.80½	.81¾
55	.78½	.79¾	.81	.82	.83¼
56	.80	.81	.82¼	.83½	.84¾
57	.81½	.82½	.83¾	.85	.86¼
58	.83	.84	.85¼	.86½	.87¾
59	.84¼	.85½	.86¾	.88	.89½
60	.85¾	.87	.88½	.89½	.91
61	.87	.88½	.89¾	.91	.92½
62	.88½	.90	.91	.92½	.94
63	.90	.91¼	.92¾	.94	.95½
64	.91½	.92¾	.94	.95½	.97
65	.93	.94¼	.95¼	.97	.98½
66	.94¼	.95¾	.97	.98½	1.00
67	.95¾	.97	.98½	1.00	1.01½
68	.97	.98½	1.00	1.01½	1.03
69	.98½	1.00	1.01½	1.03	1.04½
70	1.00	1.01½	1.03	1.04½	1.06

The small figures denote ¼, ½, and ¾.

Shrinkage Tables,—*continued.*

SHOWING COST OF SCOURED WOOL.

PRICE.	Per cent. of Shrinkage.				
	35	36	37	38	39
12	.18½	.18¾	.19	.19¼	.19¾
13	.20	.20¼	.20¾	.21	.21¼
14	.21½	.22	.22¼	.22½	.23
15	.23	.23½	.23¾	.24¼	.24½
16	.24½	.25	.25½	.25¾	.26¼
17	.26¼	.26½	.27	.27½	.27¾
18	.27¾	.28	.28½	.29	.29½
19	.29¼	.29¾	.30¼	.30¾	.31
20	.31	.31¼	.31¾	.32¼	.32¾
21	.32½	.32¾	.33¼	.34	.34½
22	.34	.34½	.35	.35½	.36
23	.35½	.36	.36¼	.37	.37¾
24	.37	.37½	.38	.38¾	.39¼
25	.38½	.39	.39¾	.40¼	.41
26	.40	.40½	.41¼	.42	.42½
27	.41½	.42¼	.43	.43½	.44¼
28	.43	.43¾	.44½	.45	.46
29	.44½	.45¼	.46	.46¾	.47½
30	.46	.47	.47½	.48½	.49
31	.47¾	.48½	.49¼	.50	.51
32	.49¼	.50	.50¾	.51½	.52½
33	.50¾	.51½	.52¼	.53¼	.54
34	.52¼	.53	.54	.54¾	.55¾
35	.53¾	.54½	.55½	.56¼	.57¼
36	.55½	.56¼	.57	.58	.59
37	.57	.57¾	.58¾	.59¾	.60¾
38	.58½	.59¼	.60¼	.61¼	.62¼
39	.60	.61	.62	.63	.64
40	.61½	.62½	.63½	.64½	.65½
41	.63	.64	.65	.66	.67¼

PRICE.	Per cent. of Shrinkage.				
	35	36	37	38	39
42	.64½	.65½	.66¾	.67¾	.68¾
43	.66	.67¼	.68¼	.69¼	.70½
44	.67¾	.68¾	.69¾	.71	.72
45	.69¼	.70¼	.71½	.72¾	.73¾
46	.70¾	.72	.73	.74¼	.75½
47	.72¼	.73½	.74½	.75¾	.77
48	.73¾	.75	.76	.77½	.78¾
49	.75½	.76½	.77¼	.79	.80¼
50	.77	.78	.79¼	.80¾	.82
51	.78½	.79¾	.81	.82¼	.83½
52	.80	.81¼	.82½	.83¾	.85¼
53	.81½	.82¾	.84	.85½	.87
54	.83	.84½	.85¾	.87	.88¾
55	.84½	.86	.87¼	.88¾	.90¼
56	.86	.87½	.89	.90¼	.91¾
57	.87¾	.89	.90½	.92	.93½
58	.89¼	.90¼	.92	.93½	.95
59	.90¾	.92¼	.93½	.95	.96¾
60	.92¼	.93¾	.95¼	.96¾	.98¼
61	.93¾	.95¼	.96¾	.98½	1.00
62	.95½	.97	.98½	1.00	1.01¾
63	.97	.98½	1.00	1.01½	1.03¼
64	.98½	1.00	1.01½	1.03¼	1.05
65	1.00	1.01½	1.03	1.04¾	1.06¾
66	1.01½	1.03	1.04¾	1.06½	1.08¼
67	1.03	1.04¾	1.06¼	1.08	1.09¾
68	1.04½	1.06¼	1.08	1.09¾	1.11½
69	1.06¼	1.07¾	1.09¼	1.11¼	1.13
70	1.07¾	1.09	1.11	1.13	1.14¾

The small figures denote ¼, ½, and ¾.

Shrinkage Tables, — *continued.*

SHOWING COST OF SCOURED WOOL.

PRICE.	Per cent. of Shrinkage.				
	40	41	42	43	44
12	.20	.20¼	.20¾	.21	.21½
13	.21¾	.22	.22½	.22¾	.23¼
14	.23¼	.23¾	.24¼	.24½	.25
15	.25	.25½	.25¾	.26¼	.26¾
16	.26¾	.27	.27½	.28	.28½
17	.28¼	.28¾	.29¼	.29¾	.30¼
18	.30	.30½	.31	.31½	.32¼
19	.31¾	.32¼	.32¾	.33¼	.34
20	.33¼	.33¾	.34½	.35	.35¾
21	.35	.35½	.36	.36¾	.37½
22	.36½	.37¼	.38	.38½	.39¼
23	.38¼	.39	.39½	.40	.41
24	.40	.40¾	.41¼	.42	.42¾
25	.41¾	.42¼	.43	.43¾	.44½
26	.43¼	.44	.45	.45¾	.46½
27	.45	.45¾	.46½	.47¼	.48¼
28	.46½	.47½	.48¼	.49	.50
29	.48¼	.49	.50	.51	.51¾
30	.50	.50¾	.51¾	.52½	.53½
31	.51½	.52½	.53½	.54½	.55¼
32	.53¼	.54¼	.55	.56	.57
33	.55	.56	.57	.58	.59
34	.56½	.57½	.58½	.59½	.60¾
35	.58¼	.59¼	.60¼	.61½	.62½
36	.60	.61	.62	.63	.64¼
37	.61½	.62¾	.63¾	.65	.66
38	.63¼	.64½	.65½	.66¾	.68
39	.65	.66	.67¼	.68½	.69½
40	.66½	.67¾	.69	.70	.71½
41	.68¼	.69½	.70¾	.71¾	.73¼

PRICE.	Per cent. of Shrinkage.				
	40	41	42	43	44
42	.70	.71¼	.72½	.73¾	.75
43	.71½	.72¾	.74	.75½	.76½
44	.73¼	.74½	.75¾	.77¼	.78½
45	.75	.76¼	.77½	.79	.80
46	.76¾	.78	.79¼	.80¾	.82
47	.78¼	.79¾	.81	.82½	.84
48	.80	.81½	.82¾	.84	.85¾
49	.81½	.83	.84½	.86	.87¾
50	.83¼	.84¾	.86	.87¾	.89¼
51	.85	.86½	.88	.89½	.91
52	.86½	.88	.89½	.91	.92¾
53	.88¼	.90	.91¼	.93	.94½
54	.90	.91½	.93	.94¾	.96½
55	.91½	.93¼	.94¾	.96½	.98
56	.93¼	.94¾	.96½	.98¼	1.00
57	.95	.96½	.98¼	1.00	1.02
58	.96½	.98¼	1.00	1.01¾	1.03½
59	.98¼	1.00	1.01¾	1.03½	1.05¼
60	1.00	1.01¾	1.03½	1.05¼	1.07
61	1.01½	1.03½	1.05	1.07	1.09
62	1.03¼	1.05	1.07	1.08¾	1.10¾
63	1.05	1.06¾	1.08¾	1.10½	1.12½
64	1.06½	1.08½	1.10¼	1.12¼	1.14¼
65	1.08¼	1.10	1.12	1.14	1.16
66	1.10	1.11¾	1.13¾	1.15¾	1.17¾
67	1.11½	1.13½	1.15½	1.17½	1.19¾
68	1.13¼	1.15¼	1.17¼	1.19¼	1.21½
69	1.15	1.17	1.19	1.21	1.23¼
70	1.16½	1.18½	1.20¾	1.22¾	1.25

The small figures denote ¼, ½, and ¾.

Shrinkage Tables, — *continued.*

SHOWING COST OF SCOURED WOOL.

PRICE.	Per cent. of Shrinkage.					PRICE.	Per cent. of Shrinkage.				
	45	46	47	48	49		45	46	47	48	49
12	.21³	.22¹	.22³	.23	.23²	42	.76¹	.77³	.79¹	.80³	.82¹
13	.23³	.24	.24²	.25	.25²	43	.78¹	.79²	.81	.82²	.84¹
14	.25²	.26	.26²	.27	.27²	44	.80	.81²	.83	.84²	.86¹
15	.27¹	.27³	.28¹	.28³	.29²	45	.81³	.83¹	.85	.86²	.88
16	.29	.29²	.30¹	.30³	.31¹	46	.83²	.85	.86³	.88²	.90
17	.31	.31²	.32	.32³	.33¹	47	.85²	.87	.88²	.90	.92
18	.32³	.33¹	.34	.34²	.35¹	48	.87	.88³	.90²	.92	.94
19	.34²	.35¹	.35³	.36²	.37¹	49	89	.90²	.92²	.94	.96
20	.36¹	.37	.37³	.38¹	.39¹	50	.90³	.92²	.94¹	.96	.98
21	.38¹	.38³	.39²	.40¹	.41	51	.92³	.94²	.96	.98	1.00
22	.40	.40³	.41²	.42¹	.43	52	.94²	.96¹	.98	1.00	1.02
23	.41³	.42²	.43²	.44¹	.45	53	.96¹	.98	1.00	1.02	1.04
24	.43³	.44²	.45¹	.46	.47	54	.98	1.00	1.02	1.04	1.06
25	.45¹	.46¹	.47	.48	.49	55	1.00	1.02	1.04	1.06	1.08
26	.47¹	.48	.49	.50	.51	56	1.02	1.04	1.06	1.08	1.10
27	.49	.50	.51	.52	.52³	57	1.03²	1.05²	1.07²	1.09²	1.11³
28	.51	.51³	.52³	.53³	.55	58	1.05²	1.07²	1.09²	1.11²	1.13³
29	.52³	.53²	.54³	.56	.56³	59	1.07¹	1.09¹	1.11¹	1.13²	1.15²
30	.54²	.55²	.56²	.57²	.58³	60	1.09	1.11	1.13	1.15¹	1.17²
31	.56¹	.57¹	.58²	.59²	.60²	61	1.11	1.13	1.15	1.17¹	1.19²
32	.58	.59	.60	.61¹	.62²	62	1.12³	1.14³	1.17	1.19¹	1.21²
33	.60	.61	.62¹	.63²	.64²	63	1.14³	1.16³	1.19	1.21	1.23²
34	.61³	.63	.64	.65¹	.66²	64	1.16¹	1.18²	1.20³	1.23	1.25²
35	.63²	.64³	.66	.67¹	.68²	65	1.18	1.20¹	1.22²	1.25	1.27¹
36	.65²	.66²	.68	.69¹	.70²	66	1.20	1.22¹	1.24²	1.27	1.29²
37	.67¹	.68¹	.69³	.71	.72²	67	1.21³	1.24	1.26²	1.28³	1.31¹
38	.69	.70	.71²	.73	.74²	68	1.23²	1.25³	1.28¹	1.30³	1.33¹
39	.70³	.72	.73¹	.75	.76²	69	1.25²	1.27³	1.30¹	1.32³	1.35¹
40	.72³	.74	.75²	.77	.78²	70	1.27¹	1.29²	1.32	1.34²	1.37¹
41	.74²	.76	.77¹	.78³	.80¹						

The small figures denote $\frac{1}{4}$, $\frac{1}{2}$, and $\frac{3}{4}$.

Shrinkage Tables,—*continued.*

SHOWING COST OF SCOURED WOOL.

PRICE.	Per cent. of Shrinkage.					PRICE.	Per cent. of Shrinkage.				
	50	51	52	53	54		50	51	52	53	54
12	.24	.24²	.25	.25²	.26	42	.84	.85³	.87²	.89²	.91¹
13	.26	.26²	.27	.27³	.28¹	43	.86	.87³	.89²	.91²	.93²
14	.28	.28²	.29¹	.29³	.30²	44	.88	.89³	.91³	.93³	.95³
15	.30	.30²	.31¹	.32	.32²	45	.90	.91³	.93¹	.95³	.97³
16	.32	.32³	.33¹	.34	.34³	46	.92	.93³	.95³	.98	1.00
17	.34	.34³	.35²	.36¹	.37	47	.94	.96	.98	1.00	1.02¹
18	.36	.36³	.37²	.38¹	.39¹	48	.96	.98	1.00	1.02	1.04¹
19	.38	.38³	.39²	.40²	.41¹	49	.98	1.00	1.02	1.04¹	1.06²
20	.40	.40³	.41³	.42²	.43²	50	1.00	1.02	1.04¹	1.06²	1.08³
21	.42	.43	.43³	.44³	.45³	51	1.02	1.04	1.06¹	1.08²	1.11
22	.44	.45	.46	.47	.48	52	1.04	1.06	1.08¹	1.10²	1.13
23	.46	.47	.48	.49	.50	53	1.06	1.08	1.10²	1.12³	1.15¹
24	.48	.49	.50	.51	.52¹	54	1.08	1.10¹	1.12¹	1.15	1.17²
25	.50	.51	.52	.53¹	.54¹	55	1.10	1.12¹	1.14²	1.17	1.19²
26	.52	.53	.54	.55¹	.56²	56	1.12	1.14¹	1.16³	1.19¹	1.21³
27	.54	.55	.56¹	.57²	.59	57	1.14	1.16¹	1.18³	1.21¹	1.23³
28	.56	.57	.58¹	.59²	.60³	58	1.16	1.18²	1.20³	1.23²	1.26
29	.58	.59¹	.60²	.61³	.63	59	1.18	1.20²	1.23	1.25²	1.28¹
30	.60	.61¹	.62²	.63³	.65¹	60	1.20	1.22²	1.25	1.28¹	1.30²
31	.62	.63¹	.64²	.66	.67²	61	1.22	1.24²	1.27	1.29³	1.32²
32	.64	.65¹	.66³	.68	.69²	62	1.24	1.26²	1.29¹	1.32	1.34³
33	.66	.67¹	.68³	.70¹	.71³	63	1.26	1.28²	1.31¹	1.34	1.37
34	.68	.69²	.70³	.72¹	.74	64	1.28	1.30²	1.33¹	1.36¹	1.39¹
35	.70	.71²	.73	.74²	.76	65	1.30	1.32³	1.35²	1.38¹	1.41¹
36	.72	.73²	.75	.76¹	.78¹	66	1.32	1.34³	1.37²	1.40²	1.43²
37	.74	.75²	.77	.78³	.80²	67	1.34	1.36³	1.39²	1.42²	1.45³
38	.76	.77²	.79¹	.80³	.82²	68	1.36	1.38³	1.41³	1 44³	1.47³
39	.78	.79²	.81¹	.83	.84³	69	1.38	1.40³	1.43³	1.46³	1.50
40	.80	.81²	.83¹	.85	.87	70	1.40	1.42³	1.46	1.49	1.52¹
41	.82	.83³	.85²	.87¹	.89¹						

The small figures denote ¼, ½, and ¾.

Shrinkage Tables, — *continued.*

SHOWING COST OF SCOURED WOOL.

PRICE.	Per cent. of Shrinkage.				
	55	56	57	58	59
12	.26¾	.27¼	.28	.28½	.29¼
13	.28¾	.29½	.30¼	.31	.31¾
14	.31	.31¾	.32½	.33¼	.34¼
15	.33¼	.34	.35	.35¾	.36½
16	.35½	.36¼	.37¼	.38	.39
17	.37¾	.38¾	.39½	.40½	.41½
18	.40	.41	.41¾	.42¾	.44
19	.42¼	.43¼	.44¼	.45¼	.46¼
20	.44½	.45½	.46½	.47½	.48¾
21	.46¾	.47¾	.49	.50	.51¼
22	.49	.50	.51	.52¼	.53½
23	.51	.52¼	.53½	.54¾	.56
24	.53¼	.54½	.55¾	.57	.58½
25	.55½	.56¼	.58	.59½	.61
26	.57¾	.59	.60½	.62	.63½
27	.60	.61½	.63	.64¼	.65¾
28	.62¼	.63½	.65	.66½	.68¼
29	.64¼	.66	.67½	.69	.70¾
30	.66½	.68¼	.69¾	.71½	.73¼
31	.68¾	.70½	.72	.73¾	.75½
32	.71	.72¾	.74½	.76¼	.78
33	.73¼	.75	.76¾	.78½	.80½
34	.75½	.77¼	.79	.81	.83
35	.77¾	.79½	.81½	.83¼	.85¼
36	.80	.81¾	.83½	.85¾	.87¾
37	.82¼	.84	.86	.88	.90¼
38	.84½	.86¼	.88½	.90½	.92¾
39	.86¾	.88½	.90¾	.92¾	.95
40	.89	.90¾	.93	.95¼	.97½
41	.91	.93¼	.95¼	.97½	1.00

PRICE.	Per cent. of Shrinkage.				
	55	56	57	58	59
42	.93¼	.95½	.97½	1.00	1.02½
43	.95½	.97¾	1.00	1.02½	1.04¾
44	.97¾	1.00	1.02¼	1.04¾	1.07¼
45	1.00	1.02¼	1.04¾	1.07	1.09¾
46	1.02¼	1.04½	1.07	1.09¾	1.12¼
47	1.04½	1.06¾	1.09	1.12	1.14¾
48	1.06¾	1.09	1.11¾	1.14¼	1.17
49	1.08¾	1.11	1.14	1.16¾	1.19½
50	1.11	1.13½	1.16¼	1.19	1.22
51	1.13¼	1.16	1.18½	1.21¼	1.24½
52	1.15½	1.18	1.21	1.23¾	1.26¾
53	1.17¾	1.20½	1.23¼	1.26¼	1.29¼
54	1.20	1.22¾	1.25½	1.28½	1.31¾
55	1.22¼	1.25	1.28	1.31	1.34¼
56	1.24½	1.27¼	1.30¼	1.33¼	1.36½
57	1.26¾	1.29½	1.32½	1.35¾	1.39
58	1.29	1.31¾	1.35	1.38	1.41½
59	1.31	1.34	1.37¼	1.40¾	1.44
60	1.33¼	1.36¼	1.39½	1.42¾	1.46¼
61	1.35½	1.38¾	1.41¾	1.45¼	1.48¾
62	1.37¾	1.41	1.44¼	1.47½	1.51¼
63	1.40	1.43¼	1.46½	1.50	1.53¾
64	1.42¼	1.45½	1.48¾	1.52½	1.56
65	1.44½	1.47¾	1.51¼	1.54¾	1.58½
66	1.46¾	1.50	1.53½	1.57¼	1.61
67	1.49	1.52¼	1.55¾	1.59½	1.63½
68	1.51	1.54½	1.58¼	1.62	1.65½
69	1.53¼	1.56¾	1.60½	1.64¼	1.68¼
70	1.55½	1.59	1.62¾	1.66¾	1.70¾

The small figures denote ¼, ½, and ¾.

Shrinkage Tables, — *continued.*

SHOWING COST OF SCOURED WOOL.

PRICE.	Per cent. of Shrinkage.				
	60	61	62	63	64
12	.30	.30³	.31²	.32²	.33¹
13	.32²	.33¹	.34¹	.35¹	.36
14	.35	.36	.36³	.37³	.39
15	.37²	.38²	.39²	.40²	.41³
16	.40	.41	.42	.43¹	.44²
17	.42²	.43²	.44³	.46	.47¹
18	.45	.46¹	.47¹	.48³	.50
19	.47²	.48³	.50	.51¹	.52³
20	.50	.51	.52²	.54	.55²
21	.52²	.53³	.55¹	.56³	.58¹
22	.55	.56¹	.57³	.59	.61
23	.57²	.59	.60²	.62¹	.64
24	.60	.61²	.63	.64³	.66³
25	.62²	.64¹	.66	.67³	.69²
26	.65	.66³	.68²	.70	.72¹
27	.67²	.69¹	.71	.73	.75
28	.70	.72	.73³	.75³	.77³
29	.72²	.74¹	.76¹	.78¹	.80²
30	.75	.77	.79	.81	.83¹
31	.77³	.79²	.81²	.84	.86
32	.80	.82	.84¹	.86³	.88³
33	.82²	.84²	.86³	.89¹	.91³
34	.85	.87¹	.89²	.92	.94²
35	.87²	.89³	.92	.94²	.97¹
36	.90	.92¹	.94³	.97¹	1.00
37	.92²	.95	.97³	1.00	1.02³
38	.95	.97²	1.00	1.02³	1.05²
39	.97²	1.00	1.02³	1.05²	1.08¹
40	1.00	1.02³	1.05¹	1.08¹	1.11
41	1.02²	1.05¹	1.08	1.11	1.14

PRICE.	Per cent. of Shrinkage.				
	60	61	62	63	64
42	1.05	1.07³	1.10²	1.14	1.16³
43	1.07²	1.10¹	1.13	1.16¹	1.19²
44	1.10	1.13	1.15³	1.19	1.22¹
45	1.12³	1.15²	1.18²	1.21²	1.25
46	1.15	1.18	1.21	1.24²	1.28
47	1.17²	1.20³	1.23³	1.27	1.30²
48	1.20	1.23	1.26¹	1.29³	1.33¹
49	1.22²	1.25³	1.29	1.32²	1.36
50	1.25	1.28¹	1.31²	1.35¹	1.39
51	1.27²	1.31	1.34¹	1.38	1.41²
52	1.30	1.33²	1.37	1.40³	1.44²
53	1.32²	1.36	1.39²	1.43¹	1.47
54	1.35	1.38²	1.42	1.46	1.50
55	1.37²	1.41	1.44³	1.48³	1.52³
56	1.40	1.43²	1.47²	1.51²	1.55²
57	1.42²	1.46¹	1.50	1.54	1.58¹
58	1.45	1.48³	1.52²	1.56³	1.61
59	1.47²	1.51¹	1.55¹	1.60	1.64
60	1.50	1.54	1.58	1.62	1.66³
61	1.52²	1.56²	1.60²	1.65	1.69²
62	1.55	1.59	1.63	1.67³	1.72¹
63	1.57²	1.61²	1.65³	1.70¹	1.75
64	1.60	1.64¹	1.68²	1.73	1.77³
65	1.62²	1.66³	1.71	1.75³	1.80²
66	1.65	1.69¹	1.73³	1.78²	1.83¹
67	1.67²	1.72	1.76¹	1.81¹	1.86
68	1.70	1.75²	1.79	1.84	1.89
69	1.72²	1.77	1.81²	1.86³	1.91³
70	1.75	1.79²	1.84	1.89¹	1.94²

The small figures denote ¼, ½, and ¾.

Shrinkage Tables,—*continued.*

SHOWING COST OF SCOURED WOOL.

PRICE.	Per cent. of Shrinkage.				
	65	66	67	68	69
12	.34¼	.35¼	.36½	.37½	.38¾
13	.37¼	.38¼	.39½	.40½	.42
14	.40	.41¼	.42½	.43¾	.45¼
15	.42¾	.44	.45½	.47	.48½
16	.45½	.47	.48½	.50	.51½
17	.48½	.50	.51½	.53¼	.54¾
18	.51½	.53	.54½	.56¼	.58
19	.54¼	.56	.57½	.59½	.61¼
20	.57	.58¾	.60½	.62½	.64½
21	.59½	.61¾	.63	.65½	.67¾
22	.62¾	.64¾	.66¾	.68¾	.71
23	.65¾	.67½	.69¼	.71¾	.74
24	.68½	.70½	.72¾	.75	.77½
25	.71½	.73½	.75¾	.78	.80½
26	.74	.76	.78½	.81¼	.84
27	.77	.79½	.82	.84½	.87
28	.80	.82¼	.85	.87½	.90
29	.82¼	.85¼	.88	.90½	.93½
30	.85¾	.88¼	.91	.93¾	.97
31	.88½	.91	.94	.96¾	1.00
32	.91½	.94	.97	1.00	1.03¼
33	.94¼	.96¾	1.00	1.03¼	1.06½
34	.97¼	1.00	1.03	1.06¼	1.09¾
35	1.00	1.03	1.06	1.09¼	1.13
36	1.03	1.06	1.09	1.12	1.16
37	1.05¾	1.08¾	1.12¼	1.15¾	1.19½
38	1.08½	1.11¾	1.15¼	1.18½	1.22¼
39	1.11½	1.14¾	1.18¼	1.21¾	1.26
40	1.14½	1.17¾	1.21¾	1.25	1.29
41	1.17¼	1.20½	1.24¼	1.28	1.32½
42	1.20	1.23½	1.27½	1.31¼	1.35½
43	1.23	1.26½	1.30½	1.34½	1.38¾
44	1.26	1.30	1.33¾	1.37½	1.42
45	1.28½	1.32¼	1.36¼	1.40½	1.45
46	1.31¾	1.35¼	1.39½	1.43¾	1.48¼
47	1.34¼	1.38	1.42½	1.47	1.51½
48	1.37	1.41	1.45½	1.50	1.54¾
49	1.40	1.44¼	1.48¾	1.53	1.58
50	1.43	1.47	1.51½	1.56	1.61
51	1.45¾	1.50	1.54½	1.59¼	1.64½
52	1.49	1.53	1.57¾	1.62½	1.67¾
53	1.51½	1.56	1.60¾	1.65½	1.70¾
54	1.54½	1.58¾	1.63¾	1.69	1.74
55	1.57¼	1.61¾	1.66½	1.71¼	1.77½
56	1.60	1.64¾	1.69¼	1.75	1.80½
57	1.62¾	1.67¼	1.72¾	1.78	1.83¾
58	1.65¾	1.70½	1.75¾	1.81¼	1.87
59	1.68¾	1.73½	1.79	1.84¼	1.90
60	1.71¾	1.76½	1.82	1.87½	1.93¾
61	1.74½	1.79½	1.85	1.90½	1.96¾
62	1.77¼	1.82½	1.88	1.93¾	2.00
63	1.80	1.85¼	1.90¾	1.96½	2.03¼
64	1.83	1.88¼	1.94¼	2.00	2.06½
65	1.86	1.91¼	1.97	2.03	2.09¾
66	1.88¾	1.94	2.00	2.06	2.13
67	1.91½	1.97	2.03¼	2.09¼	2.16
68	1.94½	2.00	2.06¼	2.12¼	2.19¼
69	1.97	2.03	2.09½	2.15½	2.22½
70	2.00	2.06	2.12¼	2.18¾	2.25¾

The small figures denote ¼, ½, and ¾.

Shrinkage Tables, — *continued.*

SHOWING COST OF SCOURED WOOL.

PRICE.	Per cent. of Shrinkage.			
	70	71	72	73
12	.40	.41^{2}	.42^{3}	.44^{2}
13	.43^{1}	.44^{3}	.46^{2}	.48^{1}
14	.46^{3}	.48^{1}	.50	.51^{3}
15	.50	.51^{3}	.53^{2}	.55^{2}
16	.53^{1}	.55^{1}	.57^{1}	.59^{1}
17	.56^{3}	.58^{2}	.60^{3}	.63^{3}
18	.60	.62	.64^{1}	.66^{3}
19	.63^{1}	.65^{2}	.67^{3}	.70^{1}
20	.66^{3}	.69	.71^{2}	.74
21	.70	.72^{2}	.75	.77^{3}
22	.73^{1}	.75^{3}	.78^{2}	.81^{2}
23	.76^{3}	.79^{1}	.82^{1}	.85^{1}
24	.80	.82^{3}	.85^{3}	.89
25	.83^{1}	.86^{1}	.89^{1}	.92^{2}
26	.86^{3}	.89^{3}	.92^{3}	.96^{1}
27	.90	.93	.96^{2}	1.00
28	.93^{1}	.96^{2}	1.00	1.03^{3}
29	.96^{3}	1.00	1.03^{2}	1.07^{2}
30	1.00	1.03^{2}	1.07^{1}	1.11
31	1.03^{1}	1.07	1.10^{3}	1.14^{3}
32	1.06^{3}	1.10^{1}	1.14^{1}	1.18^{2}
33	1.10	1.13^{3}	1.17^{3}	1.22^{1}
34	1.13^{1}	1.17^{1}	1.21^{2}	1.26
35	1.16^{3}	1.20^{3}	1.25	1.29^{3}
36	1.20	1.24^{1}	1.28^{2}	1.33^{1}
37	1.23^{1}	1.27^{2}	1.32^{1}	1.37
38	1.26^{3}	1.31	1.35^{3}	1.40^{3}
39	1.30	1.34^{2}	1.39^{1}	1.44^{2}
40	1.33^{1}	1.38	1.42^{3}	1.48^{1}
41	1.36^{3}	1.41^{2}	1.46^{2}	1.51^{3}

PRICE.	Per cent. of Shrinkage.			
	70	71	72	73
42	1.40	1.44^{3}	1.50	1.55^{2}
43	1.43^{1}	1.48^{1}	1.53^{2}	1.59^{1}
44	1.46^{3}	1.51^{3}	1.57^{1}	1.63
45	1.50	1.55^{1}	1.60^{3}	1.66^{3}
46	1.53^{1}	1.58^{2}	1.64^{1}	1.70^{1}
47	1.56^{3}	1.62	1.67^{3}	1.74
48	1.60	1.65^{2}	1.71^{2}	1.77^{3}
49	1.63^{1}	1.69	1.75	1.81^{2}
50	1.66^{3}	1.72^{2}	1.78^{2}	1.85^{1}
51	1.70	1.75^{3}	1.82^{1}	1.89
52	1.73^{1}	1.79^{1}	1.85^{3}	1.92^{2}
53	1.76^{3}	1.82^{3}	1.89^{1}	1.96^{1}
54	1.80	1.86^{1}	1.92^{3}	2.00
55	1.83^{1}	1.89^{3}	1.96^{2}	2.03^{3}
56	1.86^{3}	1.93	2.00	2.07^{2}
57	1.90	1.96^{2}	2.03^{2}	2.11
58	1.93^{1}	2.00	2.07^{1}	2.14^{3}
59	1.96^{3}	2.03^{2}	2.10^{3}	2.18^{2}
60	2.00	2.07	2.14^{1}	2.22^{1}
61	2.03^{1}	2.10^{1}	2.17^{3}	2.26
62	2.06^{3}	2.13^{3}	2.21^{2}	2.29^{3}
63	2.10	2.17^{1}	2.25	2.33^{1}
64	2.13^{1}	2.20^{3}	2.28^{2}	2.37
65	2.16^{3}	2.24^{1}	2.32^{1}	2.40^{3}
66	2.20	2.27^{2}	2.35^{3}	2.44^{2}
67	2.23^{1}	2.31	2.39^{1}	2.48^{1}
68	2.26^{3}	2.34^{2}	2.42^{3}	2.51^{3}
69	2.30	2.38	2.46^{2}	2.55^{2}
70	2.33^{1}	2.41^{2}	2.50	2.59^{1}

The small figures denote $\frac{1}{4}$, $\frac{1}{2}$, and $\frac{3}{4}$.

Shrinkage Tables, — *concluded.*

SHOWING COST OF SCOURED WOOL.

PRICE.	Per cent. of Shrinkage.			
	74	**75**	**76**	**77**
6	.23⅛	.24	.25	.26⅓
7	.27	.28	.29	.30½
8	.30¾	.32	.33⅓	.34¾
9	.34½	.36	.37½	.39
10	.38½	.40	.41⅜	.43½
11	.42⅛	.44	.45⅝	.47¾
12	.46	.48	.50	.52¼
13	.50	.52	.54	.57⅛
14	.54	.56	.58½	.61
15	.57½	.60	.62½	.65¼
16	.61½	.64	.66⅔	.69½
17	.65⅛	.68	.70¾	.74
18	.69¼	.72	.75	.78⅓
19	.73	.76	.79¼	.82½
20	.77	.80	.83⅓	.87
21	.80¾	.84	.87½	.91⅓

	78	**79**	**80**	**81**
6	.27¼	.28½	.30	.31[3-5]
7	.31¾	.33⅓	.35	.36⅞
8	.36⅕	.38	.40	.42[1-10]
9	.41	.42¾	.45	.47⅜
10	.45½	.47½	.50	.52⅝
11	.50	.52⅓	.55	.57[9-10]

PRICE.	Per cent. of Shrinkage.			
	78	**79**	**80**	**81**
12	.54½	.57	.60	.63[1-6]
13	.59	.62	.65	.68[2-5]
14	.63½	.66⅔	.70	.73⅓
15	.68	.71¼	.75	.79
16	.72¾	.76¼	.80	.84[1-5]
17	.77¼	.81	.85	.89½
18	.81¾	.85⅔	.90	.94¾
19	.86⅛	.90½	.95	1.00
20	.91	.95¼	1.00	1.05¼
21	.95½	1.00	1.05	1.10½

	82	**83**	**84**	**85**
5	.27¾	.29[2-5]	.31¼	.33⅓
6	.33⅓	.35⅓	.37½	.40
7	.38⅞	.41[1-6]	.43¾	.46⅔
8	.44[2-5]	.47	.50	.53⅓
9	.50	.53	.56¼	.60
10	.55½	.58⅜	.62½	.66⅔
11	.61⅛	.64¾	.68¾	.73⅓
12	.66⅔	.70[8-5]	.75	.80
13	.72[1-5]	.76½	.81¼	.86⅔
14	.77¼	.82⅓	.87½	.93⅓
15	.83⅓	.88¼	.93¾	1.00

No. 104.— Values of Foreign Coins.

As fixed by U.S. Treasury Department, Oct. 1, 1891.

Country.	Standard.	Monetary unit.	Value in terms of U.S. gold dollar.
Argentine Republic	Gold and Silver	Peso	$0.96, 5
Austria-Hungary	Silver	Florin	.35, 7
Belgium	Gold and Silver	Franc	.19, 3
Bolivia	Silver	Boliviano	.72, 3
Brazil	Gold	Milreis	.54, 6
British Possessions N.A. (except Newfoundland)	Gold	Dollar	1.00
Central American States: Costa Rica, Guatemala, Honduras, Nicaragua, Salvador	Silver	Peso	.72, 3
Chili	Gold and Silver	Peso	.91, 2
China	Silver	Tael { Shanghai	1.06, 8
		Tael { Haikwau (Cust's).	1.18, 9
Colombia	Silver	Peso	.72, 3
Cuba	Gold and Silver	Peso	.92, 6
Denmark	Gold	Crown	.26, 8
Ecuador	Silver	Sucre	.72, 3
Egypt	Gold	Pound (100 piastres)	4.94, 3
Finland	Gold	Mark	.19, 3
France	Gold and Silver	Franc	.19, 3
German Empire	Gold	Mark	.23, 8
Great Britain	Gold	Pound sterling	4.86, 6½
Greece	Gold and Silver	Drachma	.19, 3
Hayti	Gold and Silver	Gourde	.96, 5
India	Silver	Rupee	.34, 3
Italy	Gold and Silver	Lira	.19, 3
Japan	*Gold and Silver	Yen { Gold	.99, 7
		Yen { Silver	.77, 9
Liberia	Gold	Dollar	1.00
Mexico	Silver	Dollar	.78, 5
Netherlands	Gold and Silver	Florin	.40, 2
Newfoundland	Gold	Dollar	1.01, 4
Norway	Gold	Crown	.26, 8
Peru	Silver	Sol	.72, 3
Portugal	Gold	Milreis	1.08
Russia	Silver	Rouble	.57, 8
Spain	Gold and Silver	Peseta	.19, 3
Swedeu	Gold	Crown	.26, 8
Switzerland	Gold and Silver	Franc	.19, 3
Tripoli	Silver	Mahbub of 20 piastres	.65, 2
Turkey	Gold	Piastre	.04, 4
Venezuela	Silver	Bolivar	.14, 5

* Gold the nominal standard. Silver practically the standard.

No. 105. — Tariffs on Wool.

Rates of duty imposed on Wool by Various Acts of Congress, 1789–1890.

Date of Act of Congress.	Date of Tariff.	Rates of Duty.
July 4, 1789,	July 4, 1789,	Free.
Apr. 27, 1816,	" 1, 1816,	15 per cent. ad valorem.
May 22, 1824,	" 1, 1824,	Value not exceeding 10 cts. per pound, 15% ad val.
	" 1, 1824,	Value exceeding 10 cts. per pound, 20% ad val.
	June 1, 1825,	Value exceeding 10 cts. per pound, 25% ad val.
	" 1, 1826,	Value exceeding 10 cts. per pound, 30% ad val.
May 19, 1828,	July 1, 1828,	4 cts. per pound and 40% ad val.[1]
	" 1, 1829,	4 cts. per pound and 45% ad val.[1]
	" 1, 1830,	4 cts. per pound and 50% ad val.[1]
July 14, 1832,	Mch. 3, 1833,	Value not over 8 cts. per pound. Free.
	" 3, 1833,	Value over 8 cts. per pound, 4 cts. per pound and 40% ad val.[1]
Mch. 2, 1833,	Jan. 1, 1834,	Value not over 8 cts. per pound, Free.
	" 1, 1834,	Value over 8 cts. per pound, 4 cts. per pound and 38% ad val.
	" 1, 1836,	Value over 8 cts. per pound, 4 cts. per pound and 36% ad val.
	" 1, 1838,	Value over 8 cts. per pound, 4 cts. per pound and 34% ad val.
	" 1, 1840,	Value over 8 cts. per pound, 4 cts. per pound and 32% ad val.
	" 1, 1842,	Value over 8 cts. per pound, 4 cts. per pound and 26% ad val.
	July 1, 1842,	Value over 8 cts. per pound, 4 cts. per pound and 20% ad val.
Aug. 30, 1842,	Aug. 30, 1842,	Value not over 7 cts. per pound, 5% ad val.
	" 30, 1842,	Value over 7 cts. per pound, 3 cts. per pound and 30% ad val.
July 30, 1846,	Dec. 1, 1846,	Thibet, Angora, and other goats' hair or mohair, 20% ad val.
	" 1, 1846,	All other wool, 30% ad val.
Mch. 3, 1857,	July 1, 1857,	Value not over 20 cts. per pound, Free.
	" 1, 1857,	Thibet, Angora, etc., value over 20 cts. per pound, 15% ad val.
	" 1, 1857,	All other over 20 cts. per pound, 24% ad val.
Mch. 2, 1861,	Apr. 1, 1861,	Sheep skins with wool on, 15%.
	" 1, 1861,	Value less than 18 cts. per pound, 5%.
	" 1, 1861,	Value, 18 cts. and not more than 24 cts. per pound, 3 cts. per lb.
	" 1, 1861,	Value over 24 cts., 9 cts. per pound.
June 30, 1864,	July 1, 1864,	Sheepskins with wool on, 20%.
	" 1, 1864,	Value per pound 12 cts. or less, 3 cts. per pound.
	" 1, 1864,	Value over 12 cts. and not over 24 cts., 6 cts. per pound.
	" 1, 1864,	Value over 24 cts. and not over 32 cts., 10 cts. per pound and 10% ad val.
	" 1, 1864,	Value over 32 cts., 12 cts. per pound and 10% ad val.
	" 1, 1864,	Wools scoured, treble the amount of duty.
	" 1, 1864,	Flocks, waste, or shoddy, 3 cts. per pound.

[1] Wools on the skin were dutiable at the same rates as other imported wools.

TARIFFS ON WOOL. — *Concluded.*

Date of Act of Congress.	Date of Tariff.	Rates of Duty.
Mch. 2, 1867,	Mch. 2, 1867,	Clothing wools, 32 cts. or less, 10 cts. per pound and 11% ad val. Over 32 cts., 12 cts. per pound and 10% ad val. Washed, twice the amount of duty. Combing wool, 32 cts. or less, 10 cts. per pound and 11% ad val. Over 32 cts., 12 cts. per pound and 10% ad val. Carpet wool, 12 cts. or less, 3 cts. per pound. Over 12 cts., 6 cts. per pound. All classes scoured, treble the amount of duty. Sheep and goat skins with wool on, 30% ad val. Woolen rags, shoddy, mungo, waste, and flocks, 12 cts. per pound.
July 14, 1870,	Jan. 1, 1871,	Wools on skin to be dutiable at the same rates as other wools.
June 6, 1872,	Aug. 1, 1872,	Reduction of 10% on all duties.
Mch. 3, 1875,	Mch. 3, 1875,	Rates under tariff of Mch. 2, 1867, restored.
Mch. 3, 1883,	July 1, 1883,	Clothing wools, value of 30 cts. or less, 10 cts. per pound. Over 30 cts., 12 cts. per pound. Washed, twice the amount of duty. Combing wools, value of 30 cts. or less, 10 cts. per pound. Over 30 cts., 12 cts. per pound. Carpet wools, value of 12 cts or less, 2½ cts. per pound. Over 12 cts., 5 cts. per pound. Wools of all kinds, scoured, treble the amount of duty. Wools on the skin, same as other wools. Waste, mungo, shoddy, etc., 10 cts. per pound.
Oct. 1, 1890,	Oct. 6, 1890,	Clothing wools, 11 cts. per pound. Washed, double duty; scoured, treble duty. Combing wools and hairs, 12 cts. per pound. Scoured, treble duty. Carpet wools, valued at 13 cts. or under, 32%; valued over 13 cts., 50% ad val.

No. 106. — Comparative Value of Domestic and Imported Wool Manufactures: United States.

With Per Capita Value and Percentage of Total Consumption.

Years.	Domestic Manufactures.			Importations.		
	Value.	Value per Capita.	Percentage of Total Consumption.	Value.	Value per Capita.	Percentage of Total Consumption.
1820	$4,413,068	$0.46	38	$7,238,954	$0.75	62
1830 .	14,528,166	0.88	64	8,290,062	0.75	36
1840 .	20,696,999	0.82	60	13 950,772	0.94	40
1850 .	43,207,545	1.86	77	13,005,852	0.65	23
1860 .	65,596,364	2.09	68	31.333.273	1.16	32
1870 .	177,495,689	4.60	85	33,046,521	0.94	15
1880 .	267,252,913	5.34	87	39.537,694	0.90	13
1890 .	338,231,109	5.40	86	54,165,422	0.86	14

UNITED STATES TARIFF OF 1890: SCHEDULE K.

Wool and Manufactures of Wool.

The rates of duty under the act of 1883 are given in parallel columns.

375. — All wools, hair of the camel, goat, alpaca, and other like animals shall be divided for the purpose of fixing the duties to be charged thereon into the three following classes: —

376. — Class one, that is to say, Merino, mestiza, metz, or metis wools, or other wools of Merino blood, immediate or remote, Down clothing wools, and wools of like character with any of the preceding, including such as have been heretofore usually imported into the United States from Buenos Ayres, New Zealand, Australia, Cape of Good Hope, Russia, Great Britain, Canada, and elsewhere, and also including all wools not hereinafter described or designated in classes two and three.

377. — Class two, that is to say, Leicester, Cotswold, Lincolnshire, Down combing wools, Canada long wools, or other like combing wools of English blood, and usually known by the terms herein used, and also hair of the camel, goat, alpaca, and other like animals.

378. — Class three, that is to say, Donskoi, native South American, Cordova, Valparaiso, native Smyrna, Russian camel's hair, and including all such wools of like character as have been heretofore usually imported into the United States from Turkey, Greece, Egypt, Syria, and elsewhere, excepting improved wools hereinafter provided for.

379. — The standard samples of all wools which are now or may be hereafter deposited in the principal custom-houses of the United States, under the authority of the Secretary of the Treasury, shall be the standards for the classification of wools under this act, and the Secretary of the Treasury shall have the authority to renew these standards and to make such additions to them from time to time as may be required, and he shall cause to be deposited like standards in other custom-houses of the United States when they may be needed.

380. — Whenever wools of class three shall have been improved by the admixture of Merino or English blood from their present character as represented by the standard samples now or hereafter to be deposited in the principal custom-houses of the United States, such improved wools shall be classified for duty either as class one or class two, as the case may be.

381. — The duty on wools of the first class which shall be imported washed shall be twice the amount of the duty to which they would be subjected if imported unwashed; and the duty on wools of the first and second classes which shall be imported scoured shall be three times the duty to which they would be subjected if imported unwashed.

382. — Unwashed wools shall be considered such as shall have been shorn from the sheep without any cleansing; that is, in their natural condition. Washed wools shall be considered such as have been washed with water on the sheep's back. Wool washed in any other manner than on the sheep's back shall be considered as scoured wool.

383. — The duty upon wool of the sheep or hair of the camel, goat, alpaca, and other like animals, which shall be imported in any other than ordinary condition, or which shall be changed in its character or condition for the purpose of evading the duty, or which shall be reduced in value by the admixture of dirt, or any other foreign substance, or which has been sorted or increased in value by the rejection of any part of the origiual fleece, shall be twice the duty to which it would be otherwise subject: *Provided*, That skirted wools as now imported are hereby excepted. Wools on which a duty is assessed amounting to three times or more than that which would be assessed if said wool was imported unwashed, such duty shall not be doubled on account of its being sorted. If any bale or package of wool or hair specified in this act, imported as of any specified class, or claimed by the importer to be dutiable as of any specified class, shall contain any wool or hair subject to a higher rate of duty than the class so specified, the whole bale or package shall be subject to the highest rate of duty chargeable on wool of the class subject to such higher rate of duty, and if any bale or package be claimed by the importer to be shoddy, mungo, flocks, wool, hair, or other material of any class specified in this act, and such bale con-

tain any admixture of any one or more of said materials, or of any other material, the whole bale or package shall be subject to duty at the highest rate imposed upon any article in said bale or package.

	1890.	1883.
384. — The duty upon all wools and hair of the **first** class shall be, per pound	11c.	10c. & 12c.
384. — All wools and hair of the **second** class, per pound	12c.	10c. & 12c.
385. — Wools of the **third** class and **camel's hair** of the **third** class, the value whereof shall be 13 cents or less per lb., including charges, ad valorem	32 p.c.	2½c. & 5c.
386. — Wools of the **third** class and **camel's** hair of the **third** class, the value whereof shall exceed 13 cents per pound, including charges, ad valorem	50 p.c.	5c.
387. — **Wools on the skin** shall pay the same rate as other wools, the quantity and value to be ascertained under such rules as the Secretary of the Treasury may prescribe.		
388. — **Noils, shoddy, top waste,** slubbing waste, roving waste, ring waste, yarn waste, garnetted waste, and all other wastes composed wholly or in part of wool, per lb.,	30c.	10c.
389. — Woolen **rags, mungo,** and **flocks,** per lb.	10c.	10c.
390. — Wools and hair of the camel, goat, alpaca, or other like animals, in the form of **roping, roving,** or **tops,** and all wool and hair which have been advanced in any manner or by any process of manufacture beyond the washed or scoured condition, not specially provided for in this act, shall be subject to the same duties as are imposed upon manufactures of wool not specially provided for in this act.		
391. — On woolen and worsted **yarns** made wholly or in part of wool, worsted, the hair of the camel, goat, alpaca, or other animals, valued at not more than 30 cents per lb., per lb. and ad valorem	27½c. & 35 p.c.	10c. & 35 p.c.
391. — Valued at more than 30 cents and not more than 40 cents per lb., per lb. and ad valorem	33c. & 35 p.c.	12c. & 35 p.c.
391. — Valued at more than 40 cents per lb., per lb. and ad valorem	38½c. & 40 p.c.	18c. & 35 p.c. 24c. & 35 p.c. 35c. & 40 p.c.
392. — On **woolen** or **worsted cloths,**[1] **shawls,** knit fabrics,[2] and all fabrics made on knitting-machines or frames, and **all manufactures of every description** made wholly or in part of wool, worsted, the hair of the camel, goat, alpaca, or other animals, **not specially provided for** in this act, valued at not more than 30 cents per lb., per lb. and ad valorem	33c. & 40 p.c.	35c. & 35 p.c.
392. — Valued at more than 30 and not more than 40 cents per lb., per lb. and ad valorem,	38½c. & 40 p.c.	do.
392. — Valued at above 40 cents per lb., per lb. and ad valorem	44c. & 50 p.c.	35c. & 35 p.c.[3]

[1] Worsted cloths, valued at less than 80c. a pound, were dutiable under the act of 1883 the same as yarns.

[2] Knit underwear has been decided by the courts to be wearing apparel, and dutiable under 396.

[3] Woolen cloths, valued at not exceeding 80 cents per pound, 35c. & 35 p.c.; over 80 cts., 35c. & 40 p.c.

	1890.	1883.
393.—On **Blankets, hats** of wool, and **flannels** for underwear, composed wholly or in part of wool, the hair of the camel, goat, alpaca, or other animals, valued at not more than 30 cents per lb., per lb. and ad valorem	16½c. & 30 p.c.	
393.—Valued at more than 30 and not more than 40 cents per lb., per lb. and ad valorem,	22c. & 35 p.c.	
393.—Valued at more than 40 cents and not more than 50 cents per lb., per lb. and ad valorem	33c. & 35 p.c.	Same rates as on yarns.
393.—**Blankets** and **hats** of wool composed wholly or in part of wool, the hair of the camel, goat, alpaca, or other animals, valued at more than 50 cents per lb., per lb. and ad valorem	38½c. & 40 p.c.	
393.—**Flannels** composed wholly or in part of wool, the hair of the camel, goat, alpaca, or other animals, valued above 50 cents per lb., shall be classified and pay the same duty as women's and children's dress goods, coat linings, Italian cloths, and goods of similar character and description.		
394.—Women's and children's **dress goods, coat linings, Italian cloths,** and goods of similar character or description, of which the warp consists wholly of cotton or other vegetable material, with the remainder of the fabric composed wholly or in part of wool, etc., valued at not exceeding 15 cents per square yard, per square yard and ad valorem	7c. & 40 p.c.	5c. & 35 p.c.
394.—Valued at above 15 cents per square yard, per square yard and ad valorem	8c. & 50 p.c.	7c. & 40 p.c.
394.—*Provided*, that on all such goods weighing over four ounces per square yard, the duty per lb. shall be four times the duty imposed by this act on a pound of unwashed wool of the first class, and in addition thereto, 50 per centum ad valorem.		
395.—On women's and children's **dress goods, coat linings, Italian cloth, bunting,**[1] and goods of similar description or character, composed wholly or in part of wool, worsted, the hair of the camel, goat, alpaca, or other animals, and not specially provided for in this act, per square yard and ad valorem	12c. & 50 p.c.	9c. & 40 p.c.
395.—*Provided*, that on all such goods weighing over four ounces per square yard, the duty per lb. shall be four times the duty imposed by this act on a pound of unwashed wool of the first class, and in addition thereto, 50 per centum ad valorem	44c. & 50 p.c.	35c. & 40 p.c.
396.—On **Clothing**, ready made, and articles of wearing apparel of every description, made up or manufactured wholly or in part, not specially provided for in this act, **felts,**[2] not woven, and not specially provided for in this act, and **plushes** and other **pile fabrics,** all the foregoing, composed wholly or in part of wool, worsted, the hair of the camel, goat, alpaca, or other animals, per lb. and ad valorem	49½c. & 60 p.c.	40c. & 35 p.c.

[1] Duty on bunting, act of 1883, 10c. per square yd. and 35 p.c.

[2] Endless belts or felts dutiable at 20c. per pd. & 30 p.c., under act of 1883; other felts, plushes, and pile fabrics were dutiable at 35c. and 35 p.c., when valued at not exceeding 80c. per pd.; valued at over 80c., 35c. and 40 p.c.

	1890.	1883.
397.—On **Cloaks, dolmans, jackets, talmas, ulsters,** or other **outside garments** for ladies' and children's apparel, and goods of similar description, or used for like purposes, composed wholly or in part of wool, worsted, the hair of the camel, goat, alpaca, or other animals, made up or manufactured wholly or in part, per lb. and ad valorem	49½c. & 60 p.c.	45c. & 40 p.c.
398.—On **webbings,** gorings, suspenders, braces, beltings, bindings, braids, galloons, friuges, gimps, cords, cords and tassels, dress trimmings, laces and embroideries, head nets, buttons, or barrel buttons, or buttons of other forms, for tassels or ornaments, wrought by hand or braided by machinery, any of the foregoing which are elastic or non-elastic, made of wool, worsted, the hair of the camel, goat, alpaca, or other animals, or of which wool, worsted, the hair of the camel, goat, alpaca, or other animals is a component material, per lb. and ad valorem,	60c. & 60 p.c.	30c. & 50 p.c.
399.—Aubusson, Axminster, Moquette, and Chenille **carpets,** figured or plain, carpets woven whole for rooms, and all carpets or carpeting of like character or description, and Oriental, Berlin, and other similar rugs, per square yard and ad valorem	60c. & 40 p.c.	45c. & 30 p.c.
400.—Saxony, Wilton, and Tournay velvet carpets, figured or plain, and all carpets or carpeting of like character or description per square yard and ad valorem	60c. & 40 p.c.	45c. & 30 p.c.
401.—Brussels carpets, figured or plain, and all carpets or carpeting of like character or description, per square yard and ad valorem	44c. & 40 p.c.	30c. & 30 p.c.
402.—Velvet, and tapestry velvet carpets, figured or plain, printed on the warp or otherwise, and all carpets or carpeting of like character or description, per square yard and ad valorem	40c. & 40 p.c.	25c. & 30 p.c.
403.—Tapestry Brussels carpets, figured or plain, and all carpets or carpeting of like character or description, printed on the warp or otherwise, per square yard and ad valorem	28c. & 40 p.c.	20c. & 30 p.c.
404.—Treble ingrain, three-ply, and all chain Venetian carpets, per square yard and ad valorem	19c. & 40 p.c.	12c. & 30 p.c.
405.—Wool Dutch, and two-ply ingrain carpets, per square yard and ad valorem	14c. & 40 p.c.	8c. & 30 p.c.
406.—Druggets and bockings, printed, colored or otherwise, per square yard and ad valorem,	22c. & 40 p.c.	15c. & 30 p.c.
406.—Felt carpetiug, figured or plain, per square yard and ad valorem	11c. & 40 p.c.	40 p.c.
407.—Carpets, and carpeting of wool, flax, or cotton, or composed in part of either, not specially provided for, ad valorem	50 p.c.	40 p.c.
408.—Mats, rugs, screens, covers, hassocks, bed sides, art squares, and other portions of carpets or carpeting, made wholly or in part of wool, and not specially provided for in this act, shall be subjected to the rate of duty herein imposed on carpets or carpetings of like character or description		40 p.c.

414.—All manufactures of silk, or of which silk is the component material of chief value, not specially provided for in this act, fifty per centum ad valorem: *Provided*, That all such manufactures, of which wool, or the hair of the camel, goat, or other like animals is a component material, shall be classified as manufactures of wool.

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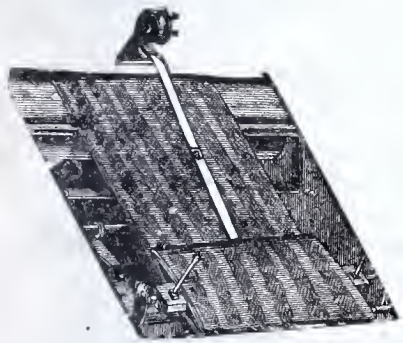

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